RETURN TO PRESIDENT'S OFFICE

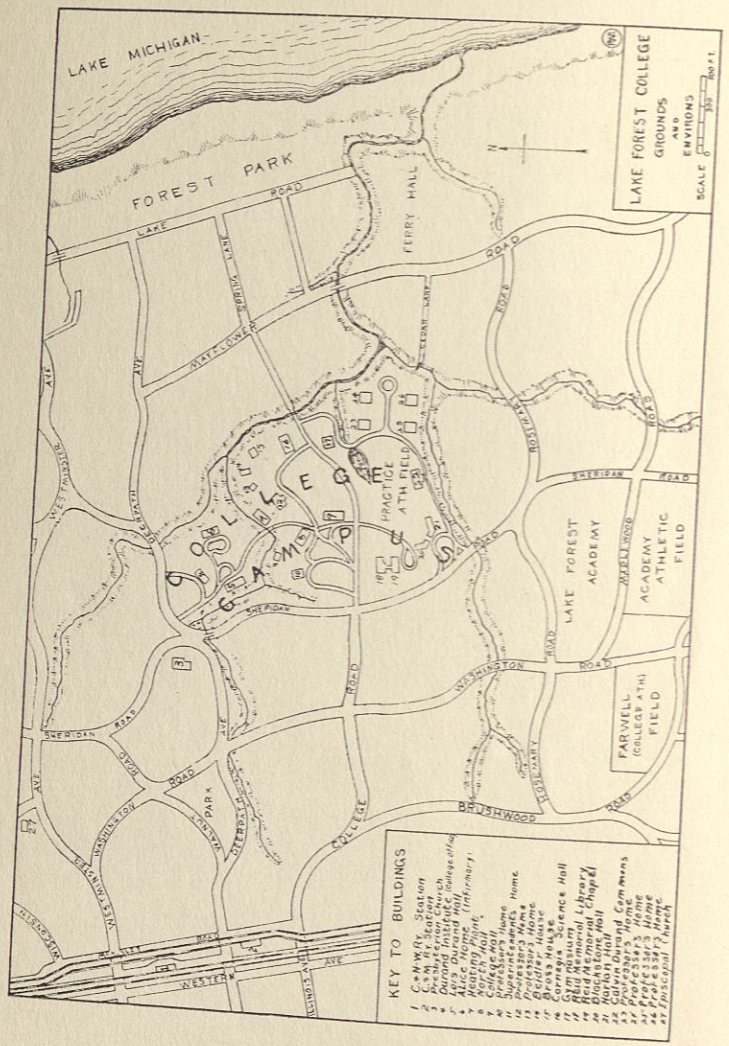
Lake Forest College
BULLETIN

Volume 1 JUNE 1921 Number 3

CATALOGUE
1920-1921

Published monthly by authority of the Board of Trustees of Lake Forest College, Lake Forest, Illinois

Entered as second class matter, April 18, 1921, at the Post Office at Lake Forest, Illinois, under the Act of August 24, 1912. Accepted for mailing at special rate of postage provided for in section 1103, Act of October 3, 1917. Authorized May 6, 1921



Lake Forest College BULLETIN

Volume 1 JUNE 1921 Number 3

FORTY-FIFTH

ANNUAL CATALOGUE

of

LAKE FOREST COLLEGE

For the Year
1920-1921

Lake Forest, Illinois

Lake Forest University is a corporation under whose charter the following schools are operated:

Lake Forest College.
Ferry Hall.
Lake Forest Academy.
Lake Forest University School of Music.

All of these schools are administered by the same board of trustees.

All correspondence relating to the College should be addressed to the

PRESIDENT'S OFFICE
LAKE FOREST, ILLINOIS

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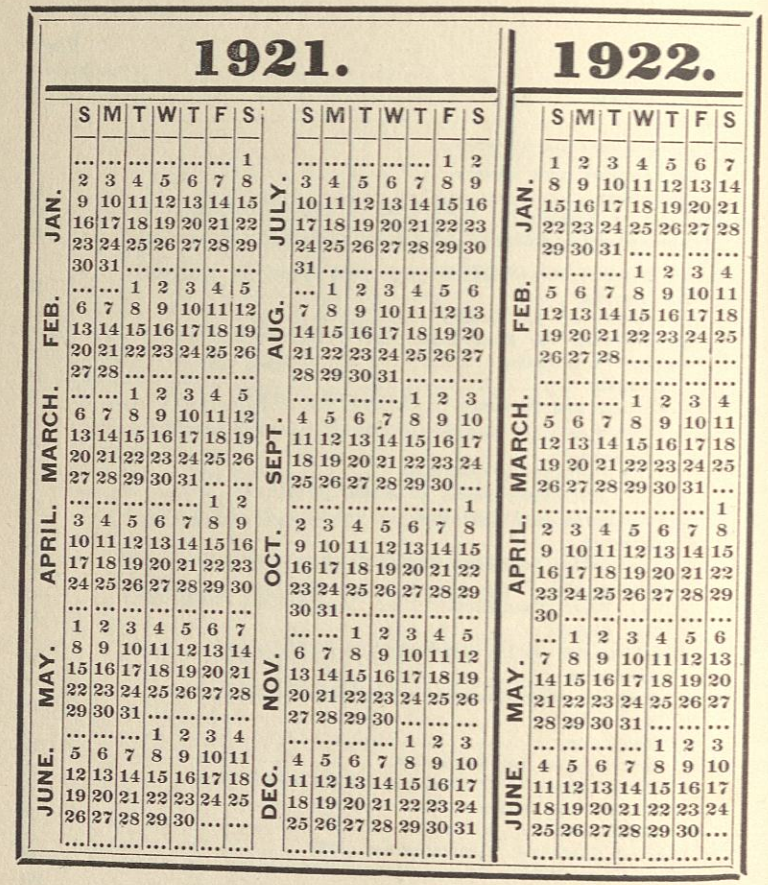

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COLLEGE CALENDAR

College Year 1920-21

1920

September 20. Monday, } *Registration days.*
September 21. Tuesday, } *See page* 50.

September 22. Wednesday (10 a.m.), *First chapel service.*

September 26. Sunday, Convocation Sermon

November 24. Wednesday (4:15 p.m.), } Thanksgiving holiday begins.

November 29. Monday (8 a.m.), } Thanksgiving holiday ends.

December 22. Wednesday (4:20 p.m.), *Christmas recess begins.*

1921

January 4. Tuesday (8:00 a.m.), *Christmas recess ends.*

January 20. Thursday, } *Registration days.*
January 21. Friday, }

January 31. Monday, } *Semester examinations.*
February 4. Friday, }

February 7. Monday, *Second semester begins.*

February 22. Tuesday, Washington's birthday

March 25. Friday (4:15 p.m.), *Spring recess begins.*

April 5. Tuesday (8:00 a.m.), *Spring recess ends.*

May 30. Monday, Memorial Day.

June 6. Monday, } Semester
June 10. Friday, } examinations.

June 15. Wednesday, *Commencement.*

September 19. Monday, } *Registration days.*
September 20. Tuesday, }

Summer Vacation of Fourteen Weeks

COLLEGE CALENDAR

College Year 1921-22

1921

September 19. Monday, September 20. Tuesday,	*Registration days.* *See page* 50
September 21, Wednesday (8 a. m.),	*First semester begins.*
September 23. Friday,	*First formal chapel exercise.*
September 25. Sunday,	Convocation sermon.
November 23. Wednesday (4:15 p.m.),	Thanksgiving holiday begins.
November 28. Monday (8:00 a.m.),	Thanksgiving holiday ends.
December 16. Friday (4:15 p.m.),	Christmas recess begins

1922

January 2. Monday (8:00 a.m.),	*Christmas recess ends.*
January 19. Thursday, January 20. Friday,	*Registration days.*
January 30. Monday, February 3. Friday,	Semester examinations
February 6. Monday,	*Second semester begins.*
February 22. Wednesday,	Washington's birthday
March 31. Friday (4:15 p.m.),	*Spring recess begins.*
April 10. Monday (8:00 a.m.),	*Spring recess ends.*
May 30. Tuesday,	Memorial Day.
June 5. Monday, June 9. Friday.	Semester examinations.
June 14. Wednesday,	*Commencement.*

SUMMER VACATION OF FOURTEEN WEEKS

Organization and History of Lake Forest University

In 1855 a number of prominent citizens of Chicago and vicinity conceived the idea of creating a new residence suburb and establishing in it an educational institution that should be near the city, and yet always retain the great advantages of a quiet situation in the country. Accordingly on February 28, 1856, they formed an unincorporated land and college company under the title of "The Lake Forest Association."* A site was selected along the high wooded shore of Lake Michigan, twenty-eight miles north of Chicago. Here the Association purchased about 1,300 acres of land. A charter for an educational institution, under the name of Lind University, was obtained on February 13, 1857. By act of February 16, 1865, the name was changed to LAKE FOREST UNIVERSITY, which has since remained the legal title of the corporation. The plat of the town of Lake Forest was recorded July 23, 1857, every alternate lot being assigned to the University for its endowment, and 62 acres being set by as an inalienable campus.

The first step taken under the charter of the University was the establishment, in the fall of 1858, of LAKE FOREST ACADEMY, a preparatory school for boys. College work was begun in 1861, but discontinued after a year on account of the Civil War, which called half of the first Freshman Class into the field. There

*The men who were first and most actively interested in this enterprise were the Rev. Dr. Robert W. Patterson, Pastor of the Second Presbyterian Church; the Rev. Dr. Harvey Curtis, Pastor of the First Presbyterian Church, of Chicago; Enos Ayers, Amzi Benedict, William Blair, William Bross, S. L. Brown, Thomas B. Carter, Franklin W. Chamberlain, Thomas R. Clark, Calvin DeWolf, Rev. Ansel D. Eddy, D. D., Charles B. Farwell, John High, Jr., Devillo R. Holt, David J. Lake, S. J. Learned, Sylvester Lind, Hiram F. Mather, Claudius B. Nelson, Peter Page, Charles H. Quinlan, M. D., Benjamin W. Raymond, Franklin Ripley, Jr., Horatio G. Shumway, Mark Skinner, Rev. J. J. Slocum, Rev. Shubael G. Spees, D. D., C. R. Starkweather, S. D. Ward, Rev. Ira M. Weed, John C. Williams and P. L. Yoe.

followed, in 1869, the establishment of a school for girls, Ferry Hall, named in honor of the Rev. William M. Ferry of Grand Haven, Michigan, who left a legacy for the founding of such a school.

The third step in the development of the institution was the opening, on September 7, 1876, of LAKE FOREST COLLEGE. The first class graduated from the College, in June, 1879, entered as Seniors in 1878. The first class to enter Lake Forest College and complete the four years' course was graduated in June, 1880.

The Charter of Lake Forest University conveys the broadest powers for the establishment and maintenance of every grade and kind of institution for higher and professional education. A medical department was organized in Chicago as early as 1859, but discontinued in 1864. Some years later alliances were made with certain prominent professional schools in Chicago: in 1887 with Rush Medical College, and the Northwestern College of Dental Surgery, in 1888 with the Chicago College of Law, in 1889 with the Chicago College of Dental Surgery. These relations were subsequently severed; and in 1902 the Trustees of Lake Forest University unanimously decided to abandon all efforts to maintain professional departments, and to confine themselves to the development of Lake Forest College, Lake Forest Academy, and Ferry Hall. The president of Lake Forest University exercises a general oversight over the two allied schools; but each of them has its own head and staff of teachers, its own campus and equipment, and its own independent life.

The Charter provides that the number of Trustees shall be not less than sixteen, but may be increased to twenty-five, including the President of the Institution, who is a Trustee *ex officio*. The Trustees elect their own successors in perpetuity, but only residents of Illinois or an adjoining State are eligible, and the election of Trustees is subject to the ratification of the Synod of Illinois of the Presbyterian Church in the United States of America.

The founders of Lake Forest were Presbyterians; but while the College has always been in close sympathy with the historic church under whose auspices it was born, the Charter not only specifically forbids all denominational restrictions in the case of students, but prescribes no denominational tests either for Trustees, President, or Faculty. Lake Forest, however, is frankly and unequivocally Christian; founded by men who had profound faith in God, it continues to stand for the essential verities of our common Christian faith, and the effort is constantly made to maintain in the College and two schools a thoroughly Christian atmosphere.

CHRONOLOGY

1856—The Lake Forest Association organized, and the City of Lake Forest platted.

1857—Lind University at Lake Forest chartered; named after Sylvester Lind.

1858—Lake Forest Academy opened; Samuel F. Miller the first Principal.

1859—A Medical Department organized in Chicago; relations severed in 1864.
An independent seminary for young women organized by Rev. Baxter Dickinson, D. D., afterwards succeeded by Ferry Hall.

1861—College work begun under Professor W. C. Dickinson; discontinued in 1862.

1864—First Gymnasium built.

1865—The charter amended; name changed to Lake Forest University.
The Academy building reconstructed.

1868—A bequest of Rev. Wm. M. Ferry, of Grand Haven, Michigan, led to the construction of a building for Ferry Hall Seminary for young women.

1869—Ferry Hall Seminary opened; Edward P. Weston the first Principal.

1875—Rev. Robert W. Patterson, D. D., elected the first President.

1876—Lake Forest College opened in a building formerly used as a hotel.

1877—The College building destroyed by fire.
Prof. John H. Hewitt became Acting President.
1878—Rev. Daniel S. Gregory, D.D., became President.
College Hall erected.
1879—The Academy building burned. A new Academy building (now North Hall), the President's House and the old Commons erected.
The Bross Foundation established.
1881—The Dickinson School purchased and as Mitchell Hall opened as a home for College women.
1886—Rev. William C. Roberts, D.D., L.L.D., became President.
1887—Rush Medical College affiliated; relations ceased in 1898
Northwestern College of Dental Surgery affiliated; relations ceased in 1889.
College Hall extended.
1888—Ferry Hall rebuilt, and Ferry Hall Chapel erected.
The College of Law affiliated; relations ceased in 1901.
1889—The D. K. Pearsons Professorship of Political and Social Science, the William Bross Professorship of Biblical Literature, and the Jacob Beidler Professorship of Physics founded, the Pearsons Loan Fund created, the Bross College built.
The Chicago College of Dental Surgery affiliated; relations severed in 1901.
1890—The College Gymnasium built.
1891—The Henry C. Durand Art Institute and the Beidler Cottage built.
1892—Rev. James G. K. McClure, D.D., LL.D., became President pro tempore. Reid Hall, Annie Durand Cottage and East House (Academy) and the College steam plant built.
1893—John M. Coulter, Ph.D., LL.D., became President.
1894—Eliza Remsen Cottage (Academy) built.
1896—John J. Halsey, M.A., LL.D., became Acting President.
North Hall rebuilt.
1897—Rev. James G. K. McClure, D.D., LL.D., became President.
1898—Lois Durand Hall and the Alice Home Built.
1899—John J. Halsey, M.A., LL.D., became Administrative Dean.
The Arthur Somerville Reid Library and the Lily Reid Holt Memorial Chapel built.
1901—Rev. Richard D. Harlan, D.D. LL.D., became President.
1902—George Smith Hall (Ferry Hall) built.
1904—Miss Frances L. Hughes, B.A., became Principal of Ferry Hall.

1906-07—Blackstone Hall, Harlan Hall, the Calvin Durand Commons, the Carnegie Science Building and the Academy Gymnasium erected.
1906—John J. Halsey, M.A., LL.D., became Acting President.
William Mather Lewis, M.A., became Head Master of the Academy.
1907—John S. Nollen, Ph.D., LL.D., became President.
1910—The College Water System installed.
1912-13—The Country School for Boys opened, in connection with the Academy.
The Academy and Ferry Hall Swimming Pools built.
1913—John Wayne Richards, M.A., became Head Master of the Academy.
1915—Miss Marion Coats, M.A., became Principal of Ferry Hall.
$500,000 Fund completed December 31.
1916—Summer School of Landscape Architecture opened.
Lake Forest School of Music organized.
Four Faculty Houses built.
1917—New and complete Heating Plant installed.
1918—Professor Henry W. Wright, Ph.D., became Acting President.
S. A. T. C. unit conducted through Autumn Term.
Miss Eloise R. Tremaine, B.A., became Principal of Ferry Hall.
1920—Rev. Herbert McComb Moore, D.D., became President.

BOARD OF TRUSTEES

Alfred L. Baker	Lake Forest
Alfred T. Carton	Lake Forest
Albert B. Dick	Lake Forest
John V. Farwell	Lake Forest
George Findlay	Lake Forest
Rev. Frank Fitt	Highland Park
John H. Jones	Chicago
John H. S. Lee	Evanston
B. M. Linnell, M. D.,	Chicago
Rev. James G. K. McClure, D.D., LL.D.,	Chicago
George A. McKinlock	Lake Forest
Clayton Mark	Lake Forest
Charles Brearley Moore	Evanston
Herbert M. Moore, D.D.	Lake Forest
Ernest Palmer	Evanston
Rev. George Roberts, Jr.,	Lake Forest
Louis F. Swift	Lake Forest
Marion W. Woolsey	Harvey
Rev. Andrew C. Zenos, D.D.	Chicago

OFFICERS OF THE BOARD

Andrew C. Zenos, *President*
Charles B. Moore, *Vice-President.*
Ernest Palmer, *Secretary.* John H. S. Lee, *Treasurer.*

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Andrew C. Zenos, *Chairman;*
Albert B. Dick, John V. Farwell, John H. S. Lee, Louis F. Swift, Clayton Mark, Charles B. Moore, Marion W. Woolsey

FINANCE COMMITTEE
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Albert B. Dick Clayton Mark, James G. K. McClure George Findlay, Charles B. Moore

CURRICULUM COMMITTEE
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Frank Fitt, John H. S. Lee, Andrew C. Zenos, John H. Jones.

GROUNDS AND BUILDINGS COMMITTEE
Marion W. Woolsey, *Chairman;*
Louis F. Swift, Alfred L. Baker, Charles B. Moore, Alfred T. Carton.

ACADEMY COMMITTEE
Ernest Palmer, *Chairman;*
Louis F. Swift, Albert L. Baker, George Roberts, Jr. Marion W. Woolsey.

FERRY HALL COMMITTEE
James G. K. McClure, *Chairman;*
Frank Fitt, George A. McKinlock, John H. Jones, Clayton Mark.

PEARSONS LOAN COMMITTEE
George Findlay, *Chairman;*
B. M. Linnell, George Roberts, Jr.

ADMINISTRATIVE OFFICERS

Office of the College
HENRY C. DURAND INSTITUTE

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President

CHARLES E. LATIMER,
Assistant Treasurer.

F. W. RICHMAN,
Bursar.

ALBERT R. ELLINGWOOD, PH.D.
Dean of the Faculty.

MARY A. HAMILTON, M.A.,
Dean of Women.

F. C. L. VAN STEENDEREN, PH.D.,
Secretary of the College Faculty.

FLETCHER B. COFFIN, PH.D.,
Registrar of the Faculty

BIRD MCPHERSON LINNELL, M.D.,
Physical Examiner for Men.

JOHN HENRY HUHNKE,
Superintendent of Buildings and Grounds.

ALICE ELIZABETH DOUGLAS, B.A.,
Secretary to the President's Office.

HELEN ALLETHA SANDERS,
Secretary to the Dean's Office.

LAWRENCE BARNES MAPLESDEN,
Secretary to the Alumni Office.

GERALDINE GIRTIN REYNOLDS
Bookkeeper.

Lake Forest College

Opened in 1876

THE FACULTY

HERBERT MCCOMB MOORE, D.D.
President
A.B. (Lake Forest) '96; D.D. (Pittsburgh) '21; Lake Forest, '20.

MALCOLM MCNEILL, PH. D.
Professor of Mathematics and Astronomy
A.B. (Princeton) '77; A.M. (ibid.) '80; Ph.D. (ibid.) '88; Lake Forest, '88.

M. BROSS THOMAS, M.A., D.D.
William Bross Professor of Biblical Literature
B.A. (Williams) '67; M.A. (ibid) '70; D.D. (Illinois College) '03; Lake Forest, '88.

WALTER RAY BRIDGMAN, M.A.
Professor of the Greek Language and Literature
B.A. (Yale) '81; M.A. (Miami and Yale) '91; Lake Forest, '91.

FREDERICK WILEY STEVENS, B.S.
Professor of Physics, Emeritus
B.S. (Michigan) '86; Lake Forest, '91.

WILLIAM LEONARD BURNAP, B.A.
Professor of History
B.A. (Chicago) '86; Lake Forest, '96.

FREDERICK C. L. VAN STEENDEREN, PH.D.
Professor of Modern Languages
Staatsexamen, Utrecht, '87. M.A. (Penn College) '92; Ph.D. (Iowa) '06; Lake Forest, '06.

FLETCHER BARKER COFFIN, LL.B., PH.D.
Professor of Chemistry
A.B. (Harvard) '95; A.M. (ibid.) '96; LL.B. (ibid.) '98; Ph.D. (ibid.) '11; Lake Forest, '09.

WARDER CLYDE ALLEE, PH.D.
Professor of Biology
B.S. (Earlham) '08; M.S. (Chicago) '10; Ph.D. (ibid.) '12; Lake Forest, '15.

ALRERT RUSSELL ELLINGWOOD, B.C.L., PH.D.
Dean of the Faculty and D. K. Pearsons Professor of Political and Social Sciences
B.A. (Colorado College) '10; B.C.L. (Oxford) '13; Ph.D. (Pennsylvania) '18; Lake Forest, '19.

DANIEL FORD, M.A.
Professor of the English Language and Literature
B. L. (Dartmouth) '99; M. A. (Harvard) '05; Lake Forest, '20.

EDMUND JOSEPH RENDTORFF, M.S., E.E.
Acting Professor of Physics
B.S. (Chicago) '94; E.E. (ibid.) '95; M.S. (ibid.) '96; Lake Forest '18.

MARTA MILINOWSKI, B.A.
Professor of Music and Director of the Lake Forest University School of Music.
B.A. (Vassar), '07; Lake Forest, '18.

EDWARD LEROY SCHAUB, PH.D.
Visiting Professor of Philosophy
Lake Forest, '20.

LOUIE WINFIELD WEBB, PH.D.
Visiting Professor of Phychology
Lake Forest, '21.

MARY HAMILTON, M.A.
Dean of Women and Assistant Professor of Education
A.B. (Washington) '06; M.A. (Columbia) '16; Lake Forest, '18.

MABLE POWELL
Librarian
Library Certificate (Wisconsin) '01; Lake Forest, '01.

THOR J. BECK, A.M., LL.M.
Instructor in Modern Languages
A.B. (Soroe) '01; A.M. (Copenhagen) '02; LL.B. (ibid.) '08; LL.M. (ibid.) '09; Lake Forest, '19.

KATHARINE COCHRAN COAN, B.A.
Director of Physical Education for Women
B.A. (Wellesley) '18; Hygiene Certificate (ibid.) '19; Lake Forest, '19.

SYLVESTER DERBY, B.S.
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B.S. (Illinois) '15; Lake Forest, '19.

CHARLES CHAMBERS MATHER, B.A.
Instructor in English
B.A. (Lake Forest) '14; Lake Forest, '20.

GERTRUDE ETHEL MEYER.
Instructor in Home Economics and Dietitian, Lois Durand Hall.
Diploma (Oshkosh State Normal) '11; Lake Forest, '20.

GEORGE DUMAS STOUT, A.B.
Instructor in Latin and Greek
A.B. (Chicago) '20; Lake Forest, '20.

EDWARD LAWRENCE MILNE, M.S.
Instructor in Mathematics
B.S. (Illinois) '96; M.S. (Illinois) '00; Lake Forest, '20.

COMMITTEES OF THE FACULTY

Athletics: Professor ALLEE, Chairman; Miss COAN; Mr. DERBY; MR. MATHER.

Bross Library: Professor THOMAS, Chairman; President MOORE; Professors COFFIN and ELLINGWOOD.

Bureau of Self Help: President MOORE, Chairman; Miss HAMILTON.

Calendar and Schedule: Professor MCNEILL, Chairman; Professors COFFIN and FORD.

Chapel Officer: Mr. MATHER.

Class Officers: Seniors, Professor COFFIN; Juniors, Professor VAN STEENDEREN; Sophomores, Professor BURNAP; freshmen, Professors ALLEE *and* FORD; MISS HAMILTON.

Commencement and College Entertainments: Professor BURNAP, Chairman; Miss HAMILTON and Professors VAN STEENDEREN and THOMAS.

Curriculum: Professor VAN STEENDEREN, Chairman; Professor COFFIN and Miss HAMILTON.

Discipline: President MOORE, Chairman; Professors ALLEE, ELLINGWOOD, and MCNEIL; Miss HAMILTON.

Entrance: Professor MCNEIL.

Graduate Work: Professor COFFIN, Chairman; Professors BURNAP and MCNEIL.

Interscholastics: Mr. MATHER, Chairman; Professor ALLEE; Mr. STOUT.

Library: Miss POWELL, Chairman; Professors BURNAP, ELLINGWOOD, and FORD.

Musical Education: Professor VAN STEENDEREN, Chairman; President MOORE; Mr. STOUT.

Scholarships and Loan Fund: Professor MCNEIL, Chairman; President MOORE; Professor THOMAS.

Special Studies: Professor FORD, Chairman; Professor THOMAS; Miss HAMILTON.

Student Activities: President MOORE, Chairman; Professors ALLEE and ELLINGWOOD; Miss HAMILTON; Mr. MATHER.

As the catalog is appearing at a later date than usual, it is possible to include the following partial list of appointments for next year.

WILLIAM HARDER COLE, PH. D.
Professor of Biology.
A. B. (Hamilton) '14; A. M. (Harvard) '16; Ph. D. (Harvard) '21; Lake Forest, '21.

MARGUERITE WITMER KEHR, PH. D.
Dean of Women and Assistant Professor of Education.
B. A. (Tennessee) '11; M. A. (Wellesley) '14; Ph. D. (Cornell) '20; Lake Forest, '21.

WESLEY R. WELLS, PH. D.
Professor of Philosophy and Psychology.
Ph. B. (Vermont) '13; A. M. (Harvard) '14; Ph. D. (Harvard) '17; Lake Forest, '21.

JOHANNES MATTHEWS VAN DER WESTHUYZEN, F. C. P. A.
Professor of Accounting and Business Administration.
A. B. (London) '12; F. C. I., '16; F. C. P. A., '20; Lake Forest, '21.

REV. JOHN RHIND. B. A. '16.
Assistant Professor of Sociology and Biblical Literature.
B. A. (Lake Forest) '16; Lake Forest, '21.

LYSLE WINSTON COOPER, A. B.
Instructor in Economics and Business Administration.
B. A. (Colorado College) '18; Lake Forest, '21.

RALPH GLAZE, B. A.
Director of Athletics for Men.
B. A. (Dartmouth) '06; Lake Forest, '21.

MARIE M. JOHNSON, M. A.
Instructor in Mathematics.
B. A. (Knox) '19; M. A. (Iowa) '21; Lake Forest, '21.

FRANCES ERMINE NAPIER, M. A.
Instructor in English.
B. A. (Adelphi) '06; M. A. (Cornell) '21; Lake Forest, '21.

MARY C. RHODUS, M. A.
Instructor in Romance Languages.
B. A. (Chicago) '18; M. A. (Chicago) '20; Lake Forest, '21.

General Information

LOCATION

Few suburbs of any American city equal Lake Forest in beauty and healthfulness. Situated on the shore of Lake Michigan, twenty-eight miles north of Chicago, it occupies the highest elevation of land between that city and Milwaukee, rising to a height of eighty feet above the lake. Deep, winding ravines, running inland a half mile or more, are a picturesque feature of the landscape.

Lake Forest has the appearance of a natural park. Instead of the straight streets and the regular blocks of the conventional town, there are broad country roads winding through the forest past attractive suburban residences with extensive and well-kept grounds. The name of the town is, therefore, exactly descriptive of its situation and its chief physical characteristic. The population is about thirty-five hundred. Express trains on the Milwaukee division of the Chicago & North Western Railway give easy access to Chicago in forty-five minutes; the Chicago & Milwaukee Electric Railway maintains a frequent and convenient service between Lake Forest and other points along the north shore.

Lake Forest has all the advantages of proximity to a great city without its distractions and temptations. The semi-rural surroundings and homelike atmosphere of the community secure the seclusion and quiet so valuable to the student during the years of undergraduate work, while the proximity of Chicago brings within reach the musical and artistic advantages and the manifold activities of the city.

GROUNDS AND BUILDINGS

After careful consideration of the future needs of the College, the Trustees in 1906 adopted a comprehensive plan for future building operations and for the

ers in the vicinity, and to such others as comply with the necessary conditions. The Librarian is always ready to lend personal aid to inquirers. A few books are withdrawn from time to time and kept in classrooms, or on reserved shelves, for immediate reference.

A large Reading Room in the center contains about one hundred of the current popular and scientific periodicals. There is a small but excellent collection of books on Art, formerly belonging to the Lake Forest Art Institute, kept in the same building. The college students also have access to the Libraries of the Lake Forest Academy and Ferry Hall, and to the excellent Lake Forest Public Library.

The purchase of new books is made largely by the professors, to suit the needs of the several departments, though a portion of the book fund is at the disposal of the Library Committee of the Faculty, for more general uses. About $1,000, derived from students' fees, appropriations by the Trustees, and special funds given in memory by Charles H. Quinlan and Eliza P. Matthews, are available annually for the purchase of books and periodicals. The income of a fund established in memory of William H. McClure is used for the purchase and care of translations and editions of the Bible.

The College especially solicits gifts of books, pamphlets and literary and scientific papers by Lake Forest College men and women, which may form the nucleus of a Graduates' Alcove in the College Library.

Laboratories

The Biological Laboratory occupies the second floor of College Hall. The space is divided into a large elementary laboratory with desk space for 32 students; an advanced laboratory with space for 12 students; a research laboratory; a lecture room seating 32; a departmental library; a work room and a store room.

The equipment includes 36 compound and binocular microscopes, a thoroughly equipped Balopticon with 450 lantern slides, aquaria for fresh and salt water animals, constant temperature tanks, paraffin bath, microtomes, and a well chosen teaching collection of animals.

The Chemical Laboratory occupies nine separate rooms in College Hall. It is fully equipped with apparatus for carrying on work in inorganic and organic chemistry, qualitative and quantitative analysis. The chemical library, consisting of some six hundred volumes, in a room adjoining the quantitative laboratory, contains sets of the leading chemical journals, and an excellent assortment of general reference books in chemistry.

The Department of Physics occupies a building which was the gift of Andrew Carnegie. Friends of the College, in accordance with the deed of gift, provided a fund the income from which is ample for its permanent upkeep. The building is very attractive, both outside and within, and is a tribute to the skill of the Emeritus Professor of Physics, Frederick W. Stevens, who was largely responsible for its design. The equipment has been selected with the purpose of giving a general all around view of the subject of physics, the science with which mathematics forms the backbone of the training necessary for the engineering profession. Suggestions pertaining to the selection of a course preparing for engineering may be found on page 58.

Physical Training

Every encouragement is given to physical training, with due regard to the proper proportion of time to be given to the development of mind and body. There is a trained resident instructor for men in gymnastics and field athletics; similar training is provided for the women under the direction of a resident instruc-

hundred men, and the adjoining lounging room, are finished in oak paneling. The furnishings, designed by the architect of the building, were the gift of Mr. D. Mark Cummings, of Lake Forest.

CARNEGIE SCIENCE HALL, the gift of Mr. Andrew Carnegie, of New York, also built in 1907-8, makes complete provision for work in Physics, Mechanical Drawing and Mathematics. It is a three-story brick building, similar in general style to Blackstone and Harlan Halls.

STEAM HEATING PLANT. The most recent addition to the campus equipment is the entirely new and complete building erected in 1917, the gift of generous friends of the College, with a full complement of powerful boilers of the latest pattern and newly laid conduits for steam, water, etc., to all the buildings of the University. With this is connected a new air-pressure water system, supplying pure water from deep wells.

The President and a number of the Professors are now provided with houses on the South Campus. Two of the latter are memorial buildings: one was erected in 1889 by the late William Bross for the Professor of Biblical Literature; the other in 1891 by the late Jacob Beidler for the Professor of Physical Sciences. In 1917 four additional brick buildings were completed, so that now the majority of the Faculty reside on the Campus.

The three buildings on the North Campus were all given by Mr. and Mrs. Henry C. Durand.

LOIS DURAND HALL, a three-story brick building, in Elizabethan style, is the women's dormitory. It was erected in 1898 by the late Henry C. Durand in memory of his mother, in whose honor it is named. It is furnished with every provision for the health, safety and comfort of the students. It is presided over by the Dean of Women and the Superintendent.

The HENRY C. DURAND INSTITUTE, a brownstone building, was erected by Mr. Durand in 1891. It contains the offices of the President, Secretary, Registrar, and Bursar, the recitation rooms of the Departments of Latin, Greek, Political Science and Romance Languages, an Alumni Trophy Room, and a large Assembly Hall with a well-equipped stage, which is used for lectures, concerts, dramatics, and social functions.

The ALICE HOME, the gift of the late Mrs. Henry C. Durand, was erected in 1898 as a hospital for the special use of the College and the two allied secondary schools, and as a memorial to her sister, Alice Bursdal Burhans. It is an attractive building in the old English style, finely located, with a sunny exposure. It is equipped with every home comfort and with the best modern appliances for the care of the sick. Capable physicians and trained nurses are in constant attendance. The expense of students for the use of this hospital is very moderate.

FARWELL FIELD, the College athletic field, is located seven minutes' walk from the Campus, on a tract of seven acres, most of which was given for this purpose by the late Senator C. B. Farwell, one of the earliest friends and greatest benefactors of the College.

The PRACTICE FIELD for ordinary athletics practice and informal games and the women's Hockey Field are on the South Campus. The tennis courts for men adjoin the Gymnasium; those for women are on the North Campus, near Lois Durand Hall.

THE LIBRARY

The collection of books, now numbering 32,385 volumes, is housed in the Arthur Somerville Reid Memorial Library. The Library is heated by steam and lighted by electricity. It is open throughout the day, as well as in the evening while the College is in session, and at stated hours during vacations. The students have free access to the shelves and liberal privileges in the drawing of books. The use of the Library is extended freely to all graduates, clergymen and teach-

beautifying of the college grounds. The plan, drawn up by Mr. Benjamin Wistar Morris, architect, of New York, and Mr. Warren H. Manning, landscape architect, of Boston, insures the harmonious development and expansion of grounds and buildings. The plan contemplates a system of driveways along the ravines and a broad central Mall along the main axis of the South Campus. The Library and Chapel, the new Dormitories and the Commons already form a well-balanced group at the south end of the Mall. The Science Hall is the first of a projected academic group at the northeast end of this Mall, to which there will also be easy access from the North Campus.

The Campus consists of fifty acres of wooded land in the best residential district of Lake Forest, about one-third of a mile from Lake Michigan, and is bounded on two sides by deep ravines. A third ravine divides the Campus into two parts:

(a) The South Campus, of forty acres. Here are situated College Hall, North Hall, and the new dormitories for men, Blackstone and Harlan Halls; Reid Memorial Library and Chapel; the Calvin Durand Commons for men; the Gymnasium; the Carnegie Science Hall; the President's House, and eight residences for Professors; and the central heating plant.

(b) The North Campus, of ten acres. Here are situated Lois Durand Hall, the dormitory for women; the Henry C. Durand Institute, and the Alice Home. Because of the quiet nature of the use to which these last two buildings are put, and the isolation of this portion of the college grounds, the North Campus is peculiarly fitted to be the center of the women's life in the College.

COLLEGE HALL, built in 1878, contains the recitation rooms and laboratories of the Departments of English, German, History, Chemistry and Biology. NORTH HALL, built in 1880, and entirely remodeled in 1897, contains at present the University School of Music. The upper floors of College Hall which have been recently refitted are also used as men's dormitories.

The CHAPEL was erected in 1899 by Mrs. Simon S. Reid and her family as a memorial to Mrs. Lily Reid Holt, '84, of Lake Forest, and is a fitting and attractive center for the religious life of the College. It is a Gothic building of Bedford stone, crowned by a graceful tower. In the rear of the choir is a stained glass window by Louis Tiffany.

The LIBRARY, built at the same time with the Chapel, was given by Mrs. Reid in memory of Arthur Somerville Reid, a former student in the College. It has a stack room capable of housing 30,000 volumes, an attractive reading room for periodicals, a large, well-lighted general reading-room, and detached rooms for special collections. The Library is connected with the Chapel by a cloister.

The GYMNASIUM, built in 1890, is a solid brown-stone building with a modern equipment in apparatus, running track, lockers, hot and cold baths and a swimming pool.

BLACKSTONE AND HARLAN HALLS, dormitories for men, built in 1906-7, are the gift of Mrs. Timothy B. Blackstone, of Chicago, and named in memory of Mr. Blackstone, late President of the Chicago & Alton Railway, and in honor of Richard D. Harlan, former President of Lake Forest University. These two dormitories are exact counterpart, built of brick in collegiate Gothic style, two stories in the main structure and three stories in the end towers, which are connected by a grill and gateway, forming an appropriate entrance to the Campus.

The CALVIN DURAND COMMONS, the gift of the late Calvin Durand, and erected in 1907-8, is an exceptionally attractive refectory for the men of the College. The dining hall, large enough to accommodate two

tor. In addition to the regular work (see page 93) there is abundant opportunity for outdoor and indoor athletics. Football, baseball, basketball, tennis, hockey, track and field athletics are regularly maintained under the management of the Athletic Association and the direction of the instructors.

Religious Culture

It is the constant aim of the College to maintain a wholesome Christian atmosphere, as conducive to the development of the best manhood and womanhood, and of the highest and broadest scholarship. No attempt is made, however, to impress upon the student any sectarian views. Entire religious freedom is guaranteed to all by the charter of the institution.

As an important part of the curriculum the English Bible is taught in a broadly Christian way, as being essential to a liberal education.

On every week day, except Saturday, at ten o'clock, a brief service is conducted in the College Chapel by the President or some member of the Faculty. Occasionally a speaker qualified to discuss some subject of present importance is invited to deliver an address at this daily assembly. All students are required to attend this daily service. The College Young Men's Christian Association and the Young Women's Christian Association endeavor to maintain regular devotional meetings and Bible study classes on Sundays. The students are made most welcome in the general church life of the community.

Student Life

Lake Forest College has no system of disciplinary rules. There are two broad requirements — good scholarship and good conduct. Students who are unwilling to coöperate in the development of proper ideals for college work and college life will be invited to withdraw whenever the general welfare demands it, even though there be no specific breach of conduct calling for their suspension.

The Men's Student Council consisting of two representatives elected by each fraternity group and an equal number by students not members of fraternities co-operates with the Faculty in maintaining standards of correct behavior, and in promoting the educational work of the college.

The students resident in Lois Durand Hall have formed a Self-Government Association, whose object it is, under the direction of the Dean of Women, to establish and enforce proper "house customs" in matters pertaining to the government of Lois Durand Hall.

An honor society has been formed, Kappa Alpha by name, to which women students are elected on the basis of their college achievements, in scholarship, student activities and co-operative spirit. This society aims to arouse interest among the young women of the college in all lines of constructive educational work and to uphold the highest ideals of college loyalty and personal culture.

The Iron Key is a Senior Honorary Fraternity, membership in which is determined by scholarship and participation in student activities.

Student Organizations

Dramatic.—A vigorous dramatic society, the Garrick Club, affords training in speech, in acting, and in staging plays. Under the direction of Mr. Charles Mather, several programs of good modern plays are given annually. The Durand Institute stage is unusually well equipped, with modern scenery and lighting. The Chatfield-Taylor Prize is awarded in connection with these plays.

Athletic.—The Athletic Association, comprising all the students of the College, has charge of the regular team practice and of inter-scholastic and intercollegiate contests in indoor and outdoor athletic sports.

Musical.—The Lake Forest Glee Club, for men, gives an annual concert in Lake Forest and makes oc-

casional concert tours. The Women's Glee Club, organized in 1903 by Mrs. M. Bross Thomas, affords the young women opportunity for practice in choral singing. It gives occasional concerts in Lake Forest and vicinity. This club has an endowment fund of one thousand dollars.

RELIGIOUS.—The Young Men's Christian Association has been in existence since the foundation of the College. The Association has the use of an attractive room in Harlan Hall for its meetings, and the same room serves as a center of the social life of the men. The Young Women's Christian Association, formed in 1895, holds its meetings in Lois Durand Hall, and serves as the usual medium for the charitable and altruistic work of the women.

The FORUM.—The Forum has as its purpose the stimulation of the interest of its members in questions of the day. Oral discussions, declamations, speeches, and debates afford the opportunity for self-expression and mastery of the details of public speaking.

PUBLICATIONS.—The Stentor, a weekly college paper, founded in 1887, is managed by a board of editors elected by the students. The Forester, an illustrated volume, is published by a Board representing the Junior Class.

LITERARY AND MUSICAL ADVANTAGES

In addition to the opportunities offered by the student organizations and the regular Chapel assembly, the students of Lake Forest College have unusual advantages in the way of hearing distinguished speakers and the best music. Leading representatives of business, professional, philanthropic, and literary occupations give addresses at the Reid Memorial Chapel from time to time, and the Bross Lectures bring to the College, at intervals, some of the leading scholars of the world. Students can take advantage of the School of Music concerts, which this year presented such artists as Jan Chiapusso, Cyril Scott, and the Flonzaley Quartet.

INTER-SCHOLASTIC COMPETITION

Lake Forest College has instituted and carried out successfully for nine years, an annual competition in expression for high schools and academies, limited to twenty-four schools. At present this competition is three-fold, as follows:

A. Team competition in oral discussion
B. Competition in reading.
C. Competition in letter-writing.

Prizes of gold and silver medals are awarded to those winning first and second places in each of these contests, and a special prize is given to the school making the best total showing. These prizes were awarded in 1920 as follows:

School Prize: South Bend High School of South Bend, Indiana, of which the representatives were Margaret Freshley, Marguerite Murphy, Helen Miller, Harry Bingham, and Leslie Andrus. South Division High School, Milwaukee, Wisconsin, and University High School of Chicago, tied for second place. Culver Military Academy, Culver, Indiana; McKinley High School, Chicago; and Washington High School, Milwaukee, Wisconsin, tied for third place.

A. Oral Discussion—
Gold Medal: Ben Washer, University High School, Chicago.
Silver Medals: Mary Freshley, South Bend, Indiana, and Sara Philipson, University High School, Chicago.

B. Reading—
Gold Medal: Harriet Aries, McKinley High School, Chicago.
Silver Medal: Arline Klug, Milwaukee High School, Milwaukee, Wisconsin.

C. Letter-writing—
Gold Medal: J. C. Morrison, Culver Military Academy, Culver, Indiana.
Silver Medal: Marguerite Murphy, South Bend, Indiana.

LAKE FOREST SCHOOL OF MUSIC

For many years excellent courses in vocal and instrumental music have been offered in connection with

Ferry Hall. These courses have now been extended and organized into the Lake Forest University School of Music, offering a four years' course of study, including appropriate work in natural science, language and literature, history, philosophy and psychology, as well as in the theory and practice of music. This course leads to the degree of Bachelor of Music, conferred upon recommendation of the Faculty of Lake Forest College. The graduates of the school will thus be assured of a considerable range of liberal culture as well as of competence in music. The advantages of this School of Music are open to students in Lake Forest College, who may receive a limited amount of college credit for courses in practical music when accompanied by an equal number of hours in theoretic music. Announcements of the School of Music may be had upon request.

Dormitories and Commons

The dormitories are heated by steam, and are furnished by the College authorities with the following articles: bed-stead, springs, mattress and pillow, chest of drawers, wash-stand, study-table, two chairs and a book-case. Blackstone, Harlan, College, and Lois Durand Halls have modern electric lighting. Bed linen, towels, curtains, rugs and any other conveniences and adornments not mentioned above, must be furnished by the occupants of the rooms. Each occupant of Lois Durand Hall should bring also six table napkins and a plainly marked napkin ring.

A deposit of ten dollars is required with the application for a room at Lois Durand Hall. Five dollars of this amount is credited on the first semester bill, and five dollars, or the portion of it not required to make good damage to the room, will be refunded after the close of the college year. The deposit will be refunded if the application is withdrawn before July 20 of the year for which the room has been engaged. A deposit of five dollars is charged against each occupant

of the men's dormitories. This deposit, or such portion of it as is not required to make good any damage, is returned after the close of the year. Students wishing to change their rooms are required to arrange the matter at the President's office.

Board is furnished for men at the Calvin Durand Commons at cost. The men who occupy rooms in the dormitories are expected to be regular boarders at the Commons.

The women take their meals in the dining-room of Lois Durand Hall.

Expenses

Tuition and General Expenses

Tuition	*per semester*	$62.50
Graduation Fee		10.00
Students taking more than the normal 16 hours of work per semester are required to pay $4.00 per hour per semester for each additional hour taken.		
Athletic Fee*		10.00
Library Fee*		6.00
Entertainment Fee*		7.00

*Payable upon entrance.

Departmental Fees

Chemical Laboratory Fee	*per semester*	$5.00
†Additional Deposit for Breakage	*per semester*	2.00
Physical Laboratory Fee	*per semester*	3.00
†Additional Deposit for Breakage	*per semester*	2.00
Biological Laboratory Fee	*per semester*	5.00
†Biological Laboratory Breakage Deposit	*per semester*	2.00

†This deposit is returned if there is no breakage.

Board and Room

For Men

Furnished room, including heat, light and care	*per semester*, from $ 36.00 to	$ 72.00
Board, (at $7.00 per week, estimated) *per semester*	126.00	126.00
Total, Room and Board *per semester*,	from $162.00 to	$198.00
Total, Board and Room for one year	from 324.00 to	396.00
Board for MEN, for one year	from $472.00 to	$544.00

For Women

Furnished Room and Table Board in Lois Durand Hall, Light and Heat	from $185.50 to $263.50
Laundering of 12 plain white pieces per week for one semester	10.00
Total, Board and Room for one year	from 324.00 to 396.00
Grand Total of Tuition, General Fees, Room, Board, Laundry, etc., for WOMEN, for one year	from 545.00 to 695.00

Charges for Courses in Music

A charge of $10.00 a semester will be made for each academic study taken at Lake Forest School of Music, not including Harmony.

Piano	from $40.00 to $100.00 a semester
Singing	" 75.00 " 100.00 " "
Violin	100.00 " "
Organ	100.00 " "
Harp	" 75.00 " 100.00 " "
Solfeggio	25.00 " "
Theoretical Music	25.00 " "
Harmony	25.00 " "
Practice piano rental (for pianists)	20.00 " "
Practice piano rental (for singers)	6.00 " "

Instruction in other instruments upon request.

College Bills

The regular college bills are due at the opening of each semester, and must be paid within two weeks, unless within that time a satisfactory arrangement is made with the Bursar for later settlement. Students who fail to comply with this requirement incur an additional charge of five dollars. Pending settlement they will be excluded from classes, and absence thus incurred will be counted as unexcused.

No payments will be refunded to students who are dismissed or suspended or who leave College for any reason, except in case of illness involving absence for more than half a semester, and then not more than half the proportionate charges for such period of absence will be refunded.

No degrees are conferred upon students who have not paid their dues to the College.

Scholarships and Loan Funds

The Pearsons Loan Fund

In 1889 the late Dr. D. K. Pearsons of Chicago, gave to the Trustees of Lake Forest University some property in Chicago valued at $100,000, from which half the income was to be used for the purpose of lending money to promising students needing assistance. These loans are subject to the following rules:

1. All applications for money must be endorsed by the Faculty Committee and by the Trustees Committee.
2. No loan will be made during the first semester of a student's attendance.
3. A note, bearing 3% interest until five years out of college, must be signed by student, and endorsed by parent or guardian.
4. Interest on the amount due after maturity shall be at 6%.
5. Annual repayment must be made beginning with the year after leaving college. These annual payments to be not less than 10% of the amount borrowed while in college.

Scholarships

The income from the funds specified below is distributed annually in the form of Scholarships among students who need pecuniary aid, and who meet the requirements of good scholarship, high personal character, exemplary conduct and habits of economy in the use of both time and money.

Every holder of a ordinary scholarship is asked to accept one of two options, the first, future payment, if and when possible, for the benefit of future students;

the second, the obligation of some service to the College, to be designated by the Scholarship Committee. Such service shall not exceed five hours a week, and so far as possible will be of such a nature as to have some educational value in itself.

The annual amount of each ordinary scholarship is $62.50, one-half payable each semester. Any ordinary scholarship for any semester may be increased gradually to an amount in no case in excess of the semester tuition fee by excellence of scholastic record for the preceding semester.

The following rules govern the assignment of scholarships.

(1) Application must be made to the President on blank forms provided for the purpose. In the case of new students these applications should be filed as early as possible accompanied by the testimonials indicated by the forms.

(2) Students already holding Scholarships must renew their applications for the succeeding year on or before June 1 of each year. Awards will be made in June.

(3) The retention of a scholarship is conditional upon the maintenance of a satisfactory scholastic record.

(4) A Scholarship may be restored after the lapse of a semester provided the scholastic record of the student is satisfactory.

(5) In awarding Scholarships preference is given to regular candidates for a degree, and to those who intend to finish their course in Lake Forest College.

A limited number of one year scholarships yielding full tuition is offered to a small group of high schools, the nomination to be made by the Principal of the school from students standing in the first third of the graduating class. The Principal and the candidate are to be informed that the scholarship is subject to the same rule of forfeiture as ordinary scholarships.

Half the tuition is remitted to the sons and daughters of ministers and teachers. This allowance will be made as long as they maintain the standard of excellence required for holding ordinary scholarships.

The income applicable to Scholarships is derived as follows:

I. From funds given to establish general Scholarships as follows:

The Lemuel Brooks Scholarship, given by Rev. Lemuel Brooks of Churchville, New York, 1883	$5,000
The William Bross Scholarship, given by Hon. William Bross of Chicago, 1883	1,500
The John Beidler Scholarship, given by Jacob Beidler of Chicago, 1882	500
The Lila Frances Ross Scholarship, given by Tuttle King of Chicago, 1882	500
The Juneau Church Scholarship, given by the Presbyterian Church of Juneau, Wis., 1883	125
The Depere Church Scholarship, given by the Presbyterian Church of Depere, Wis., 1883	100
The Corwin Scholarship, given by the Rev. Eli Corwin, D.D., of Chicago, 1889	1,000
The Helen A. Ferry Scholarship, given by Helen A. Ferry of Lake Forest, 1880 (awarded preferably to a young woman)	1,000
The Reid Scholarship, given by Mrs. Simon S. Reid of Lake Forest, 1891	2,500
The E. A. Allen Scholarship, by bequest of E. A. Allen, Arlington Heights, Ill., 1891	1,500
The H. B. Stillman Scholarship, 1906, through the College Board of the Presbyterian Church	1,000
The Robert W. Roloson Scholarship, given by Mr. Robert W. Roloson of Chicago, 1909	2,000
The Rufus N. Sage Scholarships, by bequest of Mrs. Ellen Sage of Chicago, 1911	6,000
The Arthur Dana Wheeler Memorial Scholarship, given by Mrs. Wheeler, Miss Ellen Holt and Messrs. Charles S., George H. and William Arthur Holt, 1916	2,500
	$25,225

II. From Funds given to establish scholarships in aid of students preparing for the Christian ministry as follows:

The Jacob Beidler Scholarship, given by Jacob Beidler of Chicago, 1889	$5,000
The Lemuel Brooks Scholarship, 1880	1,500
The Mrs. Maria Brooks Scholarship, given by Rev. L. Brooks of Churchill, N. Y., 1881	1,500
The Samuel M. Wood Scholarship, given by request of S. M. Wood of Omro, Wis., 1882	1,500
The Israel C. Holmes Scholarship, given by Rev. Mead Holmes of Rockford, Ill., 1883	500
The John Converse Prize Scholarship, given by Mr. John H. Converse of Philadelphia, 1905	1,500
The Eliza O. Lind Scholarship, by bequest of Mrs. Sylvester Lind of Chicago, 1906	4,000
	$15,500

The income of the John H. Converse Scholarship Fund is awarded as a special prize Scholarship to the student who has received the highest average grade among the men preparing for the Christian ministry.

III. From funds given in the name of the Lake Forest Presbyterian Church to found Scholarships, the incumbents to be appointed by the Session of the Church, or by the Scholarship Committee in the absence of any action by the Session:

The Sylvester Lind Memorial Scholarship	$1,000
The Mary Whitney Chapin Memorial Scholarship	1,000
The Washington A. Nichols Memorial Scholarship	1,000
	$3,000

Total of Permanent Scholarship Funds, $41,225.

IV. One Scholarship of $50 given annually by the General Education Board of the Presbyterian Church to a meritorious student who is a Presbyterian.

V. Three Alumni Scholarships, contributed by the Alumni Association, each amounting to at least forty dollars.

HONORS

Shield Honors

Through the generosity of a friend of the College, the names of the four students in each graduating class who rank highest in general scholarship are inscribed upon an engraved shield, which is affixed to the walls of the Library. This practice began with the class of 1910.

Commencement Honors

At each Commencement, Department Honors are awarded to members of the graduating class who have won high distinction in major work in one or more departments of study. Four of these honor students are selected by the Faculty to represent their class with addresses on the Commencement program.

LAKE FOREST GRADUATE SCHOLARSHIPS AT THE UNIVERSITY OF ILLINOIS

The University of Illinois offers each year to the College a graduate scholarship of $250, with remittance of fees, for some member of the Senior Class to be nominated by the Faculty. The chief conditions of the award are good scholarship, a degree of special preparation for work in some department of study, and promise.

PRIZES

THE McPHERSON PRIZES

The sum of three thousand dollars was contributed in 1889 by friends of the Rev. Dr. Simon J. McPherson to found the following prizes to be named in his honor:

1. Prize in Greek

A prize of twenty-five dollars will be given annually for general excellence in the work of the second year in College Greek—the study of the Greek Drama. The

award of the prize will depend, in part, upon the result of an examination.

2. Prize in English

A prize of twenty-five dollars will be given annually for excellence in oral discussion of a topic of public interest. In this discussion five contestants have part, chosen by a system of preliminary discussion contests.

3. A Prize in Philosophy

A prize of twenty-five dollars will be given annually. The conditions will vary from year to year in accordance with notice given in due time.

4. Prizes in Declamation

A prize exhibition in declamation and oratory is held on the last Friday in May. Representatives of the Freshman class compete in a program of declamations; members of the three other classes present original orations. A prize of twenty-five dollars is awarded in each competition.

THE BROSS FOUNDATION

In 1879 the late William Bross of Chicago, Lieutenant Governor of Illinois in 1866-70, desiring to establish a memorial of his son, Nathaniel Bross, who had died in 1856, entered into an agreement with the Trustees of Lake Forest University, whereby there was finally transferred to the said Trustees the sum of forty thousand dollars. The income of this fund was to accumulate in perpetuity for successive periods of ten years, at compound interest, the accumulation of one decade to be spent in the following decade, for the purpose of stimulating the production of the best books or treatises "on the connection, relation and mutual bearing of any practical science, the history of our race, or the facts in any department of knowledge, with and upon the Christian Religion."

In accordance with the terms of the deed of gift, the Trustees of Lake Forest University established

THE BROSS LIBRARY, to consist of books and treatises of the above-mentioned character, to be selected by the two following methods:

1. The Bross Prize

Once in every decade a prize is offered for the best book on any of the lines above indicated. The manuscripts are sent in anonymously, and the award is made by a committee of distinguished scholars chosen for the purpose.

The first decennial prize, amounting to six thousand dollars, was awarded in 1905 to a treatise on *The Problem of the Old Testament*, by the late Rev. James Orr, D.D., of the United Free Church College, Glasgow, Scotland. This treatise was published as Volume III of the Bross Library.

The second decennial prize of six thousand dollars was awarded in 1915 to the Rev. Thomas James Thorburn, D.D., LL.D., Hastings, England, for his book entitled *The Mythical Interpretation of the Gospels*, which has been published as Volume VII of The Bross Library.

The Trustees of Lake Forest University have announced that the third decennial prize of six thousand dollars will be given to the author of the best book on any of the lines above indicated which may be presented on or before January 1, 1925. Detailed information as to the conditions of the competition may be obtained from the President of Lake Forest College.

2. The Bross Lectures

Besides providing for a large prize to be offered in each decade, the terms of the Bross deed gift enable the Trustees to appoint distinguished men, from time to time, to deliver courses of lectures on one of the many lines suggested by the deed of gift as quoted above. Such lectures are afterward to be expanded into books to be published and distributed as volumes of The Bross Library.

The Rev. Francis L. Patton, D.D., LL.D., delivered the first course of lectures on the Bross Foundation in May, 1903, on the subject of *Obligatory Morality.* These lectures are now the property of the Trustees of the Bross Fund; they have been retained, however, by the author, to be revised for publication.

The second course of lectures, delivered in May, 1904, by the late Rev. Marcus Dods, D.D., of New College, Edinburgh, Scotland, on *The Bible, Its Origin and Nature,* has been published as Volume II of The Bross Library.

The third course of lectures, delivered in September and October, 1907, by Professor J. Arthur Thompson, Regius Professor of Natural History in the University of Aberdeen, on *The Bible of Nature,* has been published as Volume IV of The Bross Library.

In December, 1908, Dr. Frederick J. Bliss, of Beirut, Syria, gave a course of seven lectures on *The Religions of Modern Syria and Palestine.* These lectures have been published as Volume V of The Bross Library.

The fifth course of lectures on the Bross Foundation, given by Professor Josiah Royce, of Harvard University, in November, 1911, on *The Sources of Religious Insight,* has been published as Volume VI of The Bross Library.

The Sixth course of lectures was given in May, 1915, by the Rev. John Neville Figgis, D.D., Litt.D., of the House of the Resurrection, Mirfield, England, on *The Will to Freedom, or the Gospel of Nietzsche, and the Gospel of Christ.* These lectures have been published as Volume VIII of The Bross Library.

The seventh course of lectures was delivered in May, 1916, by Professor Henry Wilkes Wright, Ph.D., of Lake Forest College, on *Faith Justified by Progress.* These lectures have been published as Volume IX of The Bross Library.

The eighth course of lectures was given in April, 1921, at the Fourth Presbyterian Church in Chicago and in Lake Forest, by the Rev. John P. Peters, Ph.D., on *Spade and Bible.*

It was the express desire of the donor of the Bross Fund that the "Evidences of Christianity" of his "very dear friend and teacher, Mark Hopkins, D.D.," be purchased and "ever numbered and known as No. I of the series" of books published on this Foundation. The Trustees have accordingly published a Bross Presentation Edition of this famous book, as Volume I of The Bross Library.

Complimentary copies of the volumes of The Bross Library are supplied by the Trustees, in accordance with the provisions of the deed of gift, to a large number of libraries throughout the United States and in other countries.

THE ALUMNI

The General Association

The object of this Association is the cultivation of social relations and the perpetuation of fellowship among the alumni and former students, the advancement of the interests of the College and the extension of its influence.

In the past the Association has fulfilled the first two of the purposes for its existence quite capably, but this last year it has in addition concentrated its attention on the last two items in a very practical way.

Realizing, as alumni of institutions all over the country have similarly realized, that as a result of the war a great amount of reconstruction was necessary, the Lake Forest College Alumni met and organized into committees for the express purpose of making a complete analysis of their own institution as a basis for an educational policy which would to as large an extent as possible take into account the many changes that have occurred within the past few years all over the world. The first step in this general reorganization

policy was the establishment of the Alumni Loyalty Fund to which all loyal Lake Foresters were urged to contribute. This fund was raised in short order and is being used at the present time for general promotional work now going forward under the direction of the newly elected President, Dr. Herbert M. Moore. As a result of the success of the Alumni Loyalty Fund the Alumni have incorporated as a corporation operating under the laws of Illinois not for profit, and have so drawn up the by-laws of the organization that Lake Lake Forest College Alumni are put on a yearly giving basis much as the Yale University Alumni Fund Association is organized.

The Alumni officers for 1920-21 are:

President ..... A. J. Hennings, '09, Chicago
Secretary ..... Carol Welch, '17, Chicago
Treasurer ..... David H. Jackson, '97, Chicago

GOVERNING COMMITTEE

The Governing Committee is composed of the chairmen of the various Alumni Committees.

Chairman ..... M. W. Woolsey, '96, Chicago
Alumni Relations ..... D. S. Wentworth, '99, Chicago
Publicity ..... S. D. Marquis, '11, Chicago
Alumni Bulletin ..... Chas. C. Mather, '14, Lake Forest, Illinois
Church Relations ..... Rev. Wm. W. Johnstone, '88, Chicago
Woman's Committee ..... Mabel Etnyre, '11, Chicago
Campus Relations ..... Charles Logan, '14, Chicago
New Students ..... D. S. Wentworth, '99, Chicago
Student Relations ..... E. L. Gilroy, '18, Chicago
Athletic Committee ..... A. O. Jackson, '96, Chicago
Trustees Committee ..... Henry Hansen, '00, Chicago
Towns Relations Committee, George W. Rogers, '02, Chicago
Finance Committee ..... M. W. Woolsey, '96, Chicago

In addition to this general alumni association there are, in different communities throughout the United States in which Lake Forest College has enthusiastic alumni, local organizations looking after the interests of their Alma Mater. Chief among there are those at Ottumwa, Iowa; Los Angeles, California; Waukegan, Illinois; Portland, Oregon; Twin Cities, Minnesota; and Lake Forest, Illinois.

ADMINISTRATION OF THE CURRICULUM

ADMISSION

Students coming from high schools and academies accredited by the North Central Association of Colleges and Secondary Schools are admitted to Lake Forest College without examination, on certificate of scholarship and good character, in so far as they meet the entrance requirements specified below. The same privilage is generally extended to the graduates of schools on the accredited lists of other institutions having similar entrance requirements. Students from other colleges must present official certificates of honorable dismissal. Students who do not present satisfactory certificates from accredited schools may be examined in any or all entrance requirements.

All applicants for admission to the College, either to the Freshman class or to advanced standing, will be furnished with blank forms of application. These forms should be filled out by the proper persons, as indicated on the forms, and returned promptly. Entering students should reach Lake Forest not later than the morning before College opens; they should report to the Entrance Committee in the rotunda of the Durand Institute. (See pages 7-8, "Registration Days.") All inquiries as to requirements for entrance should be addressed to the Chairman of the Entrance Committee, Lake Forest College, Lake Forest, Illinois.

ENTRANCE REQUIREMENTS

The admission requirements are based upon four years of secondary school work, with four daily recitations. A daily recitation throughout a year is used as a convenient unit of measure; hence in the four years of secondary school work there are ordinarily sixteen units. For admission without condition, therefore, a certificate of graduation from an approved

school (see page 47) must be offered, including the following specific units:

*One Foreign Language	2 units
English	3 units
History	1 unit
*Mathematics	2 units
Laboratory Science	1 unit

The remaining units shall be made up from any work regularly credited towards graduation by the secondary school. Students entering wth less than two units in Foreign Language, will be required to take at least 20 hours of college Language for graduation.

Students may be admitted to Freshman classification with a deficiency of one unit, or to special classification with a deficiency of three units. The deficiency must be made up by all candidates for graduation.

The preparatory courses accepted for the required subjects are shown in more detail as follows:

I. FOREIGN LANGUAGE.—Those who wish to take Latin in college must present four years of Latin. The following statement indicates the amount of work that should be done in four years of Latin and in two years each of Greek, French or German.

(1) LATIN.—Grammar, including Prosody; Cæsar (four books of the Gallic War or an equivalent); Cicero (six orations, including that for the Poet Archias and that for the Manilian Law); Vergil (six books of the Aeneid); Ovid (one thousand lines). Candidates are tested in reading Latin at sight and in the translation of a simple narrative selection in Latin prose. The Roman method of pronunciation is used.

(2) GREEK.—The candidate for admission should be able (a) to translate at sight a passage from some work in Xenophon, and answer questions on grammar, style and history; (b) to translate into Greek a passage of simple English based on Xenophon; (c) to translate three books of Homer, with a knowledge of Prosody. The object of (a) and (b) is to secure a thorough preparation in three particulars—exact knowledge of grammatical forms and construction, the acquirement of as

*It is recommended that the two required Language units be in Latin, and that in Mathematics there shall be a further half-year in Algebra and a half-year in Solid Geometry.

wide a vocabulary as possible, and facility in applying knowledge on demand. These should be thoroughly attained by a student of average ability in two years of daily work. The following text-books, among others, are recommended: Goodwin's Greek Grammar, Ball's Beginner's Greek Book, Colson's First Greek Reader, Pearson's or Jones' Greek Prose Composition, with a system of pronunciation recommended by Goodwin.

(3) FRENCH.—French may be offered for entrance as a subject of at least two units, requiring at least two years of high school study. Taking Fraser and Squair's Grammar as a working basis, the oral and written drill outlined there in the first 161 pages, represents the work in grammar. Besides, some 500 pages or more of simple French should be read during this period of two years.

If more French is offered, the third high school year should be spent in oral and written composition equivalent to the work offered in Fraser and Squair's Complete French Grammar, supplemented by the reading of some 600 pages of nineteenth century classics. The fourth year should give a student some facility in understanding a simple French lecture, in writing simple French prose; he should be given some knowledge of the History of French Literature and he should read a few of the principal classics of the seventeenth and eighteenth centuries.

(4) SPANISH.—Entrance with credits in Spanish is like that with credits in French. Whether the traditional or the direct method be used, experience has shown that without definite knowledge of the main elements in the structure of the language, the memory of it soon fades, and there is no solid foundation for later building. In regard to textbooks the teacher is referred to The Modern Language Journal for February, 1921: *"The Spanish Textbook."*

(5) GERMAN.—First year: Vos' Essentials of German, or an equivalent brief course in the Essentials of German Grammar. The reading of a considerable amount of easy German prose and about thirty exercises in composition based on the texts read in the class.

Second year: The student should devote himself mostly to the reading of modern German short stories and novels, such as Storm's Immensee, Baumbach's Der Schwiegersohn, Sudermann's Frau Sorge, Keller's Romeo und Julia auf dem Dorfe and Freytag's Doktor Luther.

If a third or fourth year in German is offered for entrance the student may present further reading of a novel from each of the following nineteenth century prose writers: C. F. Meyer, Gustav Frenssen, Marie von Ebner-Eschenbach, Theodor Fon-

tane and Peter Rosegger and a drama from each of the following eighteenth and nineteenth century writers: Lessing, Goethe, Heinrich von Kleist, Friedrich Hebbel, Hermann Sudermann, Gerhardt Hauptmann and Ludwig Fulda.

II. ENGLISH.—Three years (exclusive of Grammar).

One year in English composition and Rhetoric and two years of critical reading in English and American Literature.

III. HISTORY.—One year.

The year of work may be offered in Greek and Roman History, as found in Meyer's Ancient History, or its equivalent; or in English and American History, as found in Andrews' History of England and McLaughlin's History of the United States, or their equivalent; or a half year of Civics with a half year of History.

IV. MATHEMATICS.—Two years (see footnote bottom page 48).

Algebra through Quadratics, Plane Geometry.

V. LABORATORY SCIENCE.—One year (to be chosen from Chemistry, Physics, Zoology and Botany).

The preparation must include both text-book and laboratory work; and it is recommended that the entire year be devoted to a single one of the sciences mentioned. The candidate should submit his laboratory note-book.

The seven units of free elective may be made up of additional or advanced work in the required subjects listed above, or any work that has counted towards graduation in an approved high school.

ADVANCED STANDING

Applicants for advanced standing from other colleges should present to the Entrance Committee a complete official statement of both the preparatory and the college work for which they claim credit, and a letter of honorable dismissal from the College last attended. Graduates of standard Normal School may usually secure Junior standing, but the exact amount of credit will be determined individually in each case.

REGISTRATION

On the appointed Registration Days at the beginning of each semester (see Calendar, pages 7-8) all students are required to register and make their choice of studies for the semester, reporting such

choice to the Registrar by the end of the second Registration Day. All new students must be admitted by the Entrance Committee before proceeding with their registration. Women students register with the Dean of Women. Men registering as freshmen or specials must have their schedules approved by the Freshman Advisory Committee. Sophomore, Junior and Senior men register with their class officers. (see page 21). All sophomores, juniors, and seniors are advised to consult with their major officers when making out their schedules. All students in the Department of Business Administration register with the Dean of that Department after the freshman year. On the Registration Days registration takes precedence of all recitations that may interfere with it. There is no charge for registration if it is completed on the Registration Days. Otherwise a fee of three dollars will be charged.

The registration offices are in the Henry C. Durand Institute.

EXTRA HOURS

The normal registration is 15 hours, or three daily class periods of five days a week. Students who wish to register for more than 16 or less than 14 hours a week must have their cards approved by the Special Studies Committee (see page 21). No student is allowed to take more than 21 hours in a semester. Fourteen hours shall be considered a minimum, even in the case of seniors who do not need 14 for graduation. An additional fee is charged for each additional hour over 16. (See page 35).

RESTRICTED REGISTRATION

A student must pass in at least 14 hours of work in any semester (exclusive of physical training and chapel) in order to register without restriction for the following semester.

If a student pass from 8 to 14 hours of work in any semester he may be permitted to register under restric-

tion for the following semester. This means that he may register for not more than 15 academic hours.

If a student shall fail to pass in 8 hours of work, in any semester (exclusive of physical training and chapel) he shall be suspended for one semester and required to leave town within five days; except that for the first year students taking less than 15 hours the minimum for the first semester shall be 7 hours' credit.

The above does not apply to unclassified students who have received faculty permission to carry less than 8 hours.

ABSENCES

A student is expected to enroll himself at the first meeting of each course he is to pursue. Absences will be counted from the first exercise whether the student has enrolled or not, unless exception is made by the Dean. If at any time a student's unexcused absences for a semester from classes in academic subjects and physical education, and from chapel exceed the total number of hours for which he is registered, (including hours required in physical education) plus five (chapel hours), he becomes subject to disciplinary action. Absences are excused only when arranged for by college authorities or in case of serious illness, and the excuses must be secured from the Dean immediately before or after the absence. An excessive number of absences renders a student liable to suspension from college.

Students absent from the last class or laboratory exercise preceding a recess or holiday or from the first class or laboratory exercise following a recess or holiday must pay a fee of $2.00 for each exercise from which they have been absent. Fees collected for absences are expended for the college library.

CHANGE OF REGISTRATION

It is expected that after the opening of the semester, changes in registration shall be made only for

urgent reasons. Within two weeks after the opening of the semester, changes may be made, by the use of cards furnished by the Registrar, with the consent of the class officer and the instructors. Later changes must have the sanction of the instructors concerned and the committee of class officers.

Any student who discontinues a course for which he is registered, without being excused by vote of the Faculty, will receive a semester grade of E for the course.

REPORTS OF STANDING

Reports of standing are made at the close of each semester, and sent to the students and to their parents or guardians. Reports are also sent for all Freshmen to the Principals of the preparatory schools from which they have entered, and the reports of any other students will likewise be sent to the Principals concerned, upon request.

GRADES

Students' grades are recorded in letters, A signifying a very high grade, B good, C fair, D merely passing; X means a condition which may be removed by re-examination; E means a failure, in which case credit can be gained only by repeating the course in class; I indicates that the work in the course is incomplete.

PARTICIPATION IN STUDENT ACTIVITIES

In order to be eligible for participation in any student activity, a student must have passed in at least 12 hours of academic work for the preceding semester, or for the last semester when he was in attendance at Lake Forest College, and must be passing in at least 12 hours, as shown by the latest monthly reports. Students ineligible because of conditions on the monthly reports may regain eligibility by removal of the conditions at the discretion of the instructor not sooner than the second Friday following. Only actual academic time is counted.

CHAPEL

Chapel attendance is required of all students, and absences from chapel are counted in the same way and render a student liable to the same penalties as absences in regular academic courses.

REQUIREMENTS FOR GRADUATION

GENERAL RULES

The College course, extending through four years, is divided into eight semesters; two for each academic year. The unit of work, or "semester hour," is one recitation period a week for one semester, two hours of laboratory work as a single recitation period. One hundred and twenty semester hours in the studies of the curriculum are required for graduation.* The required work in physical education must be added to this total.** Students who select courses announced to extend through two semesters will not receive credit for one semester's work in such courses without the consent of the instructor.

Of the total number of semester hours accepted in the first two years or in any one year following toward promotion and graduation, not more than 40 per cent may be below the grade of C. The same limitation shall apply to records from other institutions presented for advanced standing.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

To secure the degree of Bachelor of Arts, the student is required to complete a course of study consisting of (1) certain prescribed courses, (2) a specified number of hours in a major subject, (3) enough electives to bring his work up to the total requirement of 120 hours, making an average of 15 hours a week throughout the four years. The specific requirements in each department are described below, and following this there is an outline of a typical four-year course with the requirements arranged by years. No student is eligible for the degree who has not been in residence at Lake Forest College for one year, and that year the Senior year.

*Except in the Department of Business Administration. See page 63.
**See Page 56.

I. REQUIRED SUBJECTS

BIBLICAL LITERATURE—Six hours.

ECONOMICS, HISTORY, OR POLITICAL SCIENCE—Six hours in each of two of these subjects, to be completed by the end of the junior year.

ENGLISH—English 1-2; freshman year, 6 hours. In addition four hours, selected from the literature courses.

FOREIGN LANGUAGES—Ten hours in foreign languages, to be completed by the end of the sophomore year.

MATHEMATICS—Mathematics 1 and 4; freshman year, 6 hours.

PHILOSOPHY OR PSYCHOLOGY—Six hours..

PHYSICAL EDUCATION—Freshman, sophomore, and junior men are required to take 2 hours a week. Freshman and sophomore women are required to take 3 hours a week, and junior and senior women, 2 hours a week.

SCIENCE—Eight hours in biology, chemistry, or physics, to be completed by the end of the sophomore year.

II. REQUIREMENTS ARRANGED BY YEARS

FRESHMAN YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 1	3	English 2	3
Foreign Language	5	Foreign Language	5
Mathematics 1	3	Mathematics 4	3
Physical Education (See above)		Physical Education (See above)	
Science	4	Science	4
	15		15

SOPHOMORE YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Biblical Literature	3	Biblical Literature	3
Economics, History, or Political Science	6	Economics, History, or Political Science	6
English	2	English	2
Physical Education (See above)		Physical Education (See above)	
Electives	4	Electives	4
	15		15

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Philosophy or Psychology	3	Philosophy or Psychology	3
Physical Education (See above)		Physical Education (See above)	
Electives	12	Electives	12
	15		15

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Physical Education (See above)		Physical Education (See above)	
Electives	15	Electives	15
	15		15

MAJOR REQUIREMENT

Candidates for the degree of Bachelor of Arts are required to select a major subject, if possible at the beginning of the sophomore year, and in any case not later than the beginning of the junior year. The major requirement consists of 36 semester hours, distributed as follows: (1) Not less than 24 semester hours must be taken in the major department. (2) Enough additional hours to make up a total of 36 must be elected in work complementary to the major subject. A thesis may be substituted for a portion of the last year's work in a major subject; it must be handed in four weeks before Commencement unless other arrangements are made with the professor in charge. The professor in charge of the major subject will act as the student's adviser, and, together with the Dean and Class Officer, will supervise the administration of this rule. The head of each department will file with the Dean and Junior and Senior Class Officers a list of the courses that will be accepted as complementary to a major in that department.

Any one of the following may be selected as a major subject: (1) Biblical Literature; (2) Biology; (3) Chemistry; (4) Economics; (5) English; (6) Greek and Latin; (7) History; (8) Mathematics; (9) Philosophy; (10) Physics; (11) Political Science; (12) Psychology; (13) Romance Languages.

PREPARATION FOR PROFESSIONAL AND TECHNICAL STUDY

The major system combines the breadth that is essential to a liberal education with the possibility of

special preparation for the student's future vocation. The following suggestions may serve as a guide to students who have a definite calling in view, in the choice of the studies to be selected if they do not look forward to the completion of the college course.

The tendency of the best professional and technical schools is to become graduate schools, based upon a four year's college course, a standard already set by the strongest professional schools in the East.

It is generally recognized that the subjects which are preparatory to the more special courses of vocational schools are taught far more effectively in the college than in these schools.

Engineering

The student contemplating engineering will find it greatly to his advantage to take at least two years of college work in anticipation of his technical courses. Thorough courses in Physics, Chemistry, Mathematics, English and Modern Languages which are common to all courses in engineering, enable the student to prepare himself for the special technical course, while availing himself of the opportunity for work in subjects not directly pertinent to engineering but very pertinent to modern life. A course embodying the fundamental subjects required during the Freshman and Sophomore years in the technical schools is as follows:

Freshman Year		Sophomore Year	
Chemistry 1-2	4 hours	English 7-8	2 hours
English 1-2	3 hours	Mathematics 7-8	5 hours
Mathematics 1-2	3 hours	Mathematics 9, 6†	3 hours
Mathematics 3-4	2 hours	Physics 1-2	4 hours
Modern Language*	5 hours	Elective‡	3 hours

Law

The law schools vary widely in their admission requirements. The tendency at present is toward the requirement of two years of college work, and in a few of the strongest law schools the full four years' college course is required. The most important college subjects for students preparing for law are English (especially oral and written composition), Latin, Mathematics, History, Political Science and Economics, Psychology, and Logic. The following schedule is suggested for the first two years:

First Year		Second Year	
English 1-2	3 hours	English 7, 8	2 hours
Mathematics 1-2	3 hours	English 27, 28	2 hours
Latin 1-2, 3-4	5 hours	Latin 5, 6	3 hours
Laboratory Science	4 hours	History 1,2	3 hours
		Political Science 1-2	3 hours
		Philosophy 1, 2	3 hours

Political Science, Economics or History should be the major subjects.

Medicine

All the better medical schools now require a minimum of two years of college work for entrance and many of them recommend a full college course, if possible. Two schools require three years of college work, and one demands a college degree for admission. In order that students preparing for medicine at Lake Forest may fit themselves for the courses offered in the different medical schools, a faculty member has been appointed special adviser for pre-medical students. The chief duty of this adviser is to see that the student receives a maximum benefit of studying in a college with a minimum of the friction which sometimes attends transference to the medical department of a university.

A student who desires to spend only two years in preparation for a medical school may do the required college work in the following courses:

*If French or German is offered for entrance other subjects may be elected.

†If Solid Geometry has been offered for entrance another subject may be selected.

‡If no modern language was offered at entrance a second course in the language taken during the freshman year should be elected.

First Year		Second Year	
Biology 3-4	4 hours	Chemistry 3-4, 11-12	7 hours
Chemistry 1-2	4 hours	German 1-2	3 hours
English 1-2	3 hours	Physics 1-2	4 hours
French 1-2	5 hours	Psychology	3 hours

In accordance with the tendency in the strong medical schools, students are urged to continue their studies for four years, and the following additional courses are recommended that have a direct bearing on medical work:

Physical Chemistry.
Quantitative Chemistry.
Advanced General Physics.
Electricity.
Social Science.
Physiology.
Embryology.
Scientific German.

THEOLOGY

The best divinity schools of the country are all on the graduate basis, requiring for admission the completion of the college course or its equivalent. The college work for students preparing for the Christian ministry should include courses in Greek and Latin, Biblical Literature, English Language and Literature, Political and Social Science, and History. The following schedule is suggested for the first two years:

First Year		Second Year	
English 1-2	3 hours	Greek 3,4	5 hours
English 7-8	2 hours	English 27, 28	2 hours
Greek 1-2	5 hours	History 1,2	3 hours
Latin 1-2	3 hours	Biblical Literature 1, 2	3 hours
Mathematics 1-2	3 hours	Philosophy 1, 2	3 hours

DEPARTMENT OF BUSINESS ADMINISTRATION

Business is no longer haphazard. It is becoming systematized and specialized. For the sake of the business man, and for the sake of society, the business man of today must be given a training no less thorough than that given to the professional man. That is the aim of the Department of Business Administration—to offer a training, professional in nature and practical in value. The purposes of such training are four:

(1) To give the student a knowledge of the principles underlying the economic organization of society, and of the economic laws which control the operations of the business world. If business is to develop along broad and progressive lines, it is imperative that those who guide, or contribute to, that development, should be more than skilled technicians in a narrow field. They must have an understanding of the fundamental economic principles to which a particular business is subject, and by which business inter-relations are influenced, so that there may be a willing and intelligent conformity to those principles. Only out of such an understanding can sound judgment and clear thinking on business problems come.

(2) To give a perspective of industrial and commercial activities as a whole, and to teach the basic principles and methods of organization and administration which are common to practically all forms of business enterprise. The well-trained business man will comprehend not only the relation of what he is doing to the activities of the concern of which he is a part, but also the place of that concern in a whole industry, the interdependence between that industry and other industries, and its importance to society. Such structural comprehension can, with difficulty, be acquired from business experience alone. The organization of the business world is too complex, its ramifications too many and intricately interwoven. This larger perspective is absolutely necessary if one is to grasp the meaning of the involved problems that arise all too frequently, and if one is to solve them with success.

(3) To acquaint the student with certain facts and experiences of common interest and application to the business man in any field. These things are not easily acquired if one is involved in the details of a particular business. The pressure of daily demands encourage intensive, rather than extensive application. It should be emphasized, however, that the Department does not

attempt to familiarize the student with the routine or technique of any given business. There is a mass of detail in each field that can best be learned in the introductory period of probation, through which the student must expect to pass in entering upon a business career. The training of the Department is not designed to enable the student to avoid that period, but to make an easier transition from the academic to the business life, to shorten the period of apprenticeship, to lay the basis for more rapid advancement, and to train for informed and high-minded leadership in business affairs.

(4) To supply well-educated business men. The well-educated man in any line has a certain cultural background in language, literature, history, science, and other subjects. The business man will have a richer life and will contribute more to civilization if his vision extends beyond the boundaries of his own milieu. Business is a worthy life occupation, but no occupation or profession is a complete life in itself. It is the advantage of the college that it can combine a business and cultural education in one curriculum.

To secure these four objectives, the Department offers a well-balanced, four-year curriculum, leading to the degree of Bachelor of Arts in Business Administration. It includes courses of general educational value; courses in economic theory, covering the main features of production, exchange, and distribution; courses dealing with subjects that are indispensable in all quarters of the business world, such as business organization, finance, accounting and business law; and more specialized courses intended for students who are definitely preparing for particular lines of work. In all courses, there is a constant endeavor to relate theory to practice; the reading of one or more commercial journals is required, frequent reports on current industrial problems are given, and the events of the business world are constantly reviewed and discussed. It will be seen that certain portions of this work are required of all candidates for the degree; they are fundamental in character, furnishing a broad and solid basis for business education. But there is also a considerable range of electives which give the student in his last two years an opportunity to specialize along certain lines, as well as to enlarge his acquaintance with the more strictly cultural elements of an education.

In the summer vacations it is expected that each student will seek a position in some business organization. This field work is very desirable as a means of getting first-hand knowledge of the application of business principles in concrete cases, and as a source of valuable material for future study. The Department endeavors to maintain contact with a number of business firms in different lines, and to bring promising graduates into touch with positions where there is a chance for advancement.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS IN BUSINESS ADMINISTRATION

The requirements for graduation in the Department of Business Administration are the same as those in other departments of the college, except that the total number of semester units required is 126 instead of 120, and that in each of the last two years, required work in economics and business takes the place of the usual major and minor group requirements. The students in this Department should elect one of the following groups, if possible at the beginning of the sophomore year, but not, in any case, later than the beginning of the junior year.

I. Business Organization and Management.
II. Marketing.
III. Finance, Banking, and Bond Business.
IV. Foreign Commerce.

V. Actuarial and Statistical Work.
VI. Accounting.
VII. Government Service.
VIII. Social Service.
IX. Teachers of Commercial Subjects.
X. Secretarial Work.

The general plan of the freshman and sophomore years for all groups is given below, all courses listed by name being required. Following this is given the programme of required work in the junior and senior years for each of the ten groups. The precise requirements set forth in these groups will not be insisted upon in all cases, but a student may modify the programme to meet his special needs with the consent of the departmental faculty.

FRESHMAN YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
English 1 (Eng. Comp.)	3	English 2 (Eng. Comp.)	3
Mathematics 1 (Algebra)	3	Mathematics (Math. of Finance) (4)	3
A modern language	5	A modern language	5
Science	4	Science	4
Total	15	Total	15

SOPHOMORE YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 1 (Accounting)	3	Business 2 (Accounting)	3
Economics 1 (Intro. to Econ.)	3	Business 8 (Bus. Organ.)	3
English	2	Economics 2 (Intro. to Econ.)	3
Political Science 1 (Am. Gov.)	3	English	2
Electives	5	Political Science 2 (Am. Gov.)	3
		Electives	2
Total	16	Total	16

NOTE: Students should elect Psychology 1 (Introduction to Psychology), 3 hours, either in the sophomore year or in the junior year.

GROUP I

Business Organization and Management

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 3 (Bus. Law)	3	Business 4 (Bus. Law)	3
Business 5 (Com. Devel.)	3	Business 6 (Econ. Geo.)	3
Business 9 (Office Organ.)	3	Business 10 (Salesmanship)	2
Economics 5 (Money & Bank.)	3	Economics 8 (Transportation)	3
Electives	4	Electives	5
Total	16	Total	16

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 15 (Adv. Bus. Law)	2	Business 16 (Adv. Bus. Law)	2
Business 17 (Business Statistics)	2	Business 18 (Relation of Gov. to Business)	3
Business 19 (Commerce and Industries)	3	Economics 10 (R. R. Problems)	2
Economics 9 (Corp. Finance)	3	Economics 12 (Labor Problems)	3
Electives	6	Electives	6
Total	16	Total	16

GROUP II

Marketing

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 3 (Bus. Law)	3	Business 4 (Bus. Law)	3
Business 5 (Comm. Devel.)	3	Business 6 (Econ. Geo.)	3
Business 9 (Office Organ.)	3	Business 10 (Salesmanship)	2
Business 11 (Cost Acct.)	2	Business 12 (Marketing)	3
Economics 5 (Money & Banking)	3	Economics 8 (Transportation)	3
Electives	2	Electives	2
Total	16	Total	16

SENIOR YEAR

First Semester	Credit Hours
Business 15 (Adv. Bus. Law)	2
Business 17 (Business Statistics)	2
Business 19 (Commerce and Industries)	3
Economics 9 (Corp. Finance)	3
Economics 11 (Insurance)	3
Electives	3
Total	16

Second Semester	Credit Hours
Business 16 (Adv. Bus. Law)	2
Business 18 (Relation of Gov. to Business)	3
Economics 10 (R. R. Problems)	2
Economics 12 (Labor Problems)	3
Electives	6
Total	16

GROUP III

Finance, Banking and Bond Business

JUNIOR YEAR

First Semester	Credit Hours
Business 3 (Bus. Law)	3
Business 5 (Commercial Devel.)	3
Business 7 (Foreign Trade)	2
Business 19 (Comm. and Industries)	3
Economics 5 (Money & Banking)	3
Electives	2
Total	16

Second Semester	Credit Hours
Business 4 (Bus. Law)	3
Business 6 (Econ. Geo.)	3
Business 10 (Salesmanship)	2
Economics 6 (Bank. Practice)	3
Economics 8 (Transportation)	3
Electives	2
Total	16

SENIOR YEAR

First Semester	Credit Hours
Business 15 (Adv. Business Law)	2
Business 17 (Bus. Statistics)	2
Economics 7 (Public Finance)	3
Economics 9 (Corporation Finance)	3
Mathematics 21 (Statistics)	3
Electives	3
Total	16

Second Semester	Credit Hours
Business 16 (Adv. Bus. Law)	2
Business 18 (Relation of Gov. to Business)	3
Business 20 (Invest. & Specul.)	3
Economics 12 (Labor Problems)	3
Electives	5
Total	16

GROUP IV

Foreign Trade

JUNIOR YEAR

First Semester	Credit Hours
Business 3 (Business Law)	3
Business 5 (Comm. Development)	3
Business 7 (Foreign Trade)	2
Economics 5 (Money & Banking)	3
Modern Language	3
Electives	2
Total	16

Second Semester	Credit Hours
Business 4 (Business Law)	3
Business 6 (Econ. Geography)	3
Business 12 (Marketing)	3
Economics 8 (Transportation)	3
Modern Language	3
Electives	1
Total	16

SENIOR YEAR

First Semester	Credit Hours
Business 15 (Adv. Bus. Law)	2
Business 17 (Bus. Statistics)	2
Business 19 (Comm. & Industries)	3
Economics 9 (Corp. Finance)	3
Pol. Science 3 (International Law)	3
Electives	3
Total	16

Second Semester	Credit Hours
Business 16 (Adv. Bus. Law)	2
Business 18 (Relation of Gov. to Business)	3
Economics 12 (Labor Probs.)	3
Pol. Science 4 (International Law)	3
Electives	5
Total	16

GROUP V

Actuarial and Statistical Work

JUNIOR YEAR

First Semester	Credit Hours
Business 3 (Business Law)	3
Business 5 (Comm. Development)	3
Business 13 (Adv. Accounting)	2
Economics 5 (Money & Banking)	3
Economics 11 (Insurance)	3
Electives	2
Total	16

Second Semester	Credit Hours
Business 4 (Business Law)	3
Business 6 (Econ. Geography)	3
Business 12 (Marketing) or Economics 6 (Bank. Practice)	3
Business 14 (Adv. Acct.)	2
Economics 8 (Transportation)	3
Electives	2
Total	16

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 15 (Adv. Bus. Law)	2	Business 16 (Adv. Bus. Law)	2
Business 17 (Bus. Statistics)	2	Business 18 (Relation of Gov. to Business)	3
Business 19 (Comm. & Industries)	3	Business 20 (Inves. & Specul.)	3
Economics 9 (Corp. Finance)	3	Mathematics 22 (Actuarial Sciences)	3
Math. 21 (Statistics)	3	Electives	5
Electives	3		
Total	16	Total	16

GROUP VI

ACCOUNTING

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 3 (Business Law)	3	Business 4 (Business Law)	3
Business 5 (Comm. Development)	3	Business 6 (Econ. Geography)	3
Business 9 (Office Organ.)	3	Business 12 (Marketing)	3
Business 11 (Cost Accounting)	2	Business 14 (Adv. Acct.)	2
Business 13 (Adv. Accounting)	2	Economics 8 (Transportation)	3
Economics 5 (Money & Banking)	3	Electives	2
Total	16	Total	16

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 15 (Adv. Business Law)	2	Business 16 (Adv. Bus. Law)	2
Business 17 (Bus. Statistics)	2	Business 18 (Relation of Gov. to Business)	3
Business 19 (Comm. & Industries)	3	Business 20 (Inves. & Specul.) or	
Economics 9 (Corp. Finance)	3	Economics 6 (Bank. Practice)	3
Math. 21 (Statistics)	3	Economics 12 (Labor Probs.)	3
Electives	3	Electives	5
Total	16	Total	16

GROUP VII

GOVERNMENT SERVICE

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 3 (Business Law)	3	Business 4 (Business Law)	3
Business 5 (Comm. Development)	3	Business 6 (Econ. Geography)	3
Business 7 (Foreign Trade)	2	Business 12 (Marketing)	3
Economics 5 (Money & Banking)	3	Economics 8 (Transportation)	3
Economics 7 (Public Finance)	3	Economics 10 (R. R. Problems)	2
Electives	2	Electives	2
Total	16	Total	16

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 15 (Adv. Bus. Law)	2	Business 16 (Adv. Bus. Law)	2
Business 17 (Bus. Statistics)	2	Business 18 (Relation of Gov. to Business)	3
Business 19 (Comm. and Industries)	3	Economics 12 (Labor Problems)	3
Economics 9 (Corp. Finance)	3	Pol. Science 4 (International Law)	3
Pol. Science 3 (Internat'l Law)	3	Electives	5
Electives	3		
Total	16	Total	16

GROUP VIII

SOCIAL SERVICE

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 3 (Business Law)	3	Business 4 (Business Law)	3
Business 5 (Comm. Develop.)	3	Business 6 (Econ. Geography)	3
Economics 5 (Money & Banking)	3	Economics 8 (Transportation)	3
Economics 101 (Sociology)	3	Economics 102 (Charities and Corrections)	3
Psychology 5 (Social Psych.)	2	Psychology 6 (Social Psych.)	2
Electives	2	Electives	2
Total	16	Total	16

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 9 (Office Organ.)	3	Business 16 (Adv. Bus. Law)	2
Business 15 (Adv. Bus. Law)	2	Business 18 (Relation of Gov. to Business)	3
Business 17 (Bus. Statistics)	2	Economics 12 (Labor Problems)	3
Business 19 (Comm. and Industries)	3	Economics 104 (Social Probs.)	2
Economics 9 (Corp. Finance)	3	Electives	6
Electives	3		
Total	16	Total	16

GROUP IX

Teachers of Commercial Subjects

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 3 (Business Law)	3	Business 4 (Business Law)	3
Business 5 (Comm. Develop.)	3	Business 6 (Econ. Geography)	3
Business 13 (Adv. Accounting)	2	Business 14 (Adv. Accounting)	2
Economics 5 (Money and Bank.)	3	Economics 8 (Transportation)	3
Education 1 (Prins. of Edu.)	3	Education 2 (Prins. of Edu.)	3
Electives	2	Electives	2
Total	16	Total	16

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 15 (Adv. Bus. Law)	2	Business 16 (Adv. Bus. Law)	2
Business 17 (Bus. Statistics)	2	Business 20 (Inves. & Specul.) or	
Business 19 (Comm. and Industries)	3	Business 12 (Marketing) or	
Economics 9 (Corp. Finance)	3	Economics 6 (Bank. Practice)	3
Mathematics 21 (Statistics) or		Business 18 (Relation of Gov. to Business)	3
Business 9 (Office Organ.) or		Economics 12 (Labor Problems)	3
Economics 7 (Public Finance)	3	Electives	5
Electives	3		
Total	16	Total	16

GROUP X

Secretarial Work

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 3 (Business Law)	3	Business 4 (Business Law)	3
Business 5 (Comm. Develop.)	3	Business 6 (Econ. Geography)	3
Business 9 (Office Organ.)	3	Business 12 (Marketing)	3
Economics 5 (Money & Banking)	3	Economics 8 (Transportation)	3
English or Modern Language	2	English or Modern Language	2
Electives	2	Electives	2
Total	16	Total	16

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Business 15 (Adv. Bus. Law)	2	Business 16 (Adv. Bus. Law)	2
Business 17 (Bus. Statistics)	2	Business 18 (Relation of Gov. to Business)	3
Business 19 (Comm. and Industries)	3	Economics 6 (Bank Practice) or	
Economics 7 (Public Finance)	3	Economics 10 (R. R. Problems)	3 or 2
Economics 9 (Corp. Finance)	3	Economics 12 (Labor Problems)	3
Electives	3	Electives	5 or 6
Total	16	Total	16

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF MUSIC

The degree of Bachelor of Music is conferred by the faculty of Lake Forest College upon students in the Lake Forest University School of Music who have completed 126 hours' work in the four year course outlined below. The academic courses are taken in Lake Forest College and the music courses in the School of Music.

FRESHMAN YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Major (Piano, Violin, Singing, Etc.)	3 hrs.	Major Subject	3 hrs.
Solfeggio and Ear-Training	2 "	Solfeggio and Ear-Training	2 "
Phonetics I.	2 "	Phonetics I.	2
English I.	3 "	English I.	3 "
History I.	3 "	History I.	3 "
Appreciation	1 "	Appreciation	1 "
Physical Training	1 "	Physical Training	1 "
	15 "		15 "

SOPHOMORE YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Major Subject	3 hrs.	Major Subject	3 hrs.
Harmony	2 "	Harmony	2 "
Phonetics II.	2 "	Phonetics II.	2 "
English II.	2 "	English II.	2 "
History II.	3 "	History II.	3 "
Language	4 "	Language	4 "
Physical Training	1 "	Physical Training	1 "
	17 "		17 "

JUNIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Major Subject	3 hrs.	Major Subject	3 hrs.
Musical Form	2 "	Elementary Counterpoint	2 "
History III.	2 "	History III.	2 "
Introductory Physics	3 "	Acoustics	3 "
Language (continued)	3 "	Language	3 "
Elective	2 "	Elective	2 "
Physical Training	1 "	Physical Training	1 "
	16 "		16 "

SENIOR YEAR

First Semester	Credit Hours	Second Semester	Credit Hours
Major Subject	3 hrs.	Major Subject	3 hrs.
Advanced Counterpoint and Composition	2 "	Advanced Counterpoint and Composition	2 "
Aesthetics	2 "	Aesthetics	2 "
Language (continued)	3 "	Language	3 "
Psychology	2 "	Pedagogy	2 "
Elective	3 "	Elective	3 "
	15 "		15 "

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

The Degree of Master of Arts may be conferred upon graduates of Lake Forest College or upon graduates of other institutions of equal standing under the following conditions:

The applicant for graduate work must present his credentials to the Committee on Graduate Work, which will supervise his admission and enrollment. As soon as possible thereafter, and before October 15, the candidate will present to the Committee on Graduate Work a plan of study, approved and signed by his instructors. One year of resident graduate work is required for the degree, consisting normally of from 9 to 12 hours of graduate work for each semester, at least half of which should be taken in some one department. Undergraduate courses, not listed for graduate credit, may be selected in addition to the normal amount of graduate work with the approval of the professor in charge of the student's major and of the Committee on Graduate Work. A thesis must further be presented on an approved topic pertaining to the major subject. The title of this thesis must be filed with the Committee on Graduate Work not later than December 1, and the thesis itself must be in the hands of the examining committee not later than May 15. It shall be printed or typewritten, and a copy furnished to the College library.

The final examination of the candidate will take place at an appointed date, during the two weeks immediately preceding Commencement. The examination will be conducted by a committee composed of the head of the department in which the student has done his major work, and at least two other members of the faculty chosen from other departments.

A fee of $125 is charged for the year of graduate work, and $10 for the diploma.

DEPARTMENTS OF INSTRUCTION

In the numbering of the courses, odd numbers indicate first semester courses, even numbers second semester courses. A hyphen between the semester course numbers (1-2) indicates that credit will be given only on the completion of the whole year's work. A comma between the numbers (3,4) indicates that credit will be given for the work of either semester. The number of hours refers to the credit per semester allowed for the course; see page 55. The departments of study are arranged alphabetically.

ASTRONOMY

MALCOLM MCNEILL, Professor

1, 2. GENERAL ASTRONOMY.—In addition to text-book work the course includes observation with the small portable telescope, sextant, etc., and practice in some of the fundamental problems of Spherical Astronomy. Given in 1921-22 and alternate years. *Two hours a week, two semesters.*

3,4. THEORETICAL ASTRONOMY.—Opportunity is given for advanced work on the theoretical side of the subject. There is a small but well selected library, and the most important periodicals are available for student use.

BIBLICAL LITERATURE

M. BROSS THOMAS, Professor

The aim of this department is broadly educational, not professional. The method is critical and scientific. The Bible is studied inductively as history and literature, the outgrowth of a distinctive national life. The point of view, however, is decidedly Christian. Study is not confined to the historical contents and literary forms of the Bible, but includes its ethical and religious teachings. The department does not restrict itself to the limits of the Hebrew and Christian Scriptures. The wider subjects of Religion in its origin, and to some extent, in its leading forms, is investigated. In all their work, students are required to present carefully prepared essays on assigned topics.

The required course must be selected from 1-8. No student will be admitted to Courses 9-12 who has not taken the required course. Courses 1-2 and 5-6 are open to Freshmen and Sophomores. Courses 3-4 and 7-12 are open only to Juniors and Seniors.

The American Standard Revised Version of the Bible is used.

1, 2. OLD TESTAMENT HISTORY.—This course covers in a general way the leading events in Hebrew history, to the beginning of the Christian era. The design is to secure, as far as possible, a clear and comprehensive view of the actual life of the Hebrew people. *Three hours a week, two semesters.*

3, 4. STUDIES IN THE OLD TESTAMENT.—These studies are pursued with special reference to the age in which they were written as definite expressions of Hebrew life and thought. The purpose is to give the student a direct and thorough acquaintance with some selected portion or portions of the Hebrew Scriptures. Selections, as a rule, will vary from year to year, and will generally be made from the prophecies and the poetical books. *Two hours a week, two semesters.*

5, 6. NEW TESTAMENT HISTORY.—The period covered by this course is the first century of the Christian era. The main subjects considered are the preparations for Christianity among the Greeks, Romans and Jews; the lives of Christ and the apostles; the founding and spread of the church; the origin, growth and extent of the New Testament writings; the characteristics of early Christianity. *Three hours a week, two semesters.*

7, 8. STUDIES IN THE NEW TESTAMENT.—These studies are similar in purpose and method to those in the Old Testament. They consist of selections from the Epistles, and are open to those who read only the English version; but those acquainted with the original language will be expected to use a Greek test. *Two hours a week, two semesters.*

9,10. HISTORY OF RELIGION AND THEISM.—The leading ethnic religions are passed in review; their sacred writings to some extent consulted, the distinctive characteristics of each pointed out.

In Theism the student advances to a consideration of the existence and character of God as indicated in nature and reason. *Three hours a week, two semesters.*

11-12. APOLOGETICS.—This course presents the external and internal evidences of the supernatural origin of Christianity. It discusses the possibility and function of miracles; the character and claims of Christ; the testimony of the apostles and early church fathers; the effects of Christianity on human character and life; its congruity with the accredited results of natural science. *Two hours a week, two semesters.*

BIOLOGY

WARDER C. ALLEE, Professor

The courses offered in Biology are designed to give a general survey of the subject matter of the field of biology to be used as a background for a general arts course, or as a foundation for teaching, for medical or graduate work. Students interested primarily in removing requirements in laboratory science may take either 1-2 or 3-4. Premedical students should take courses 3-4 and 5 as a minimum. Prospective teachers of biology should have courses 1-2 and 3-4 as a minimum.

1-2. GENERAL BOTANY.—A comprehensive study of the anatomy, morphology, physiology and ecology of living plants, followed by a general survey of the great natural groups of plants. This latter is based upon a thorough study of the structure, reproduction, and habitat of available types from each group. Occasional field trips will be substituted for the regular laboratory work.

3-4. GENERAL ZOOLOGY.—A study of the general principles of animal life. The work begins with a consideration of the life histories, habits, structure and economic importance of insects. Later in the course representatives of the other principal animal phyla are studied, ending with the frog. Field work in spring and fall. *Four hours a week, two semesters.*

5. VERTEBRATE ZOOLOGY.—A study of the comparative structure and relationships of the vertebrates. The dogfish, turtle or alligator and cat are dissected. Lectures, laboratory and quizzes. *One year college biology prerequisite. Four hours a week, one semester.*

6. EMBRYOLOGY.—Lectures, recitations, and laboratory work on the development of the salamander, chick, and pig. The work of the salamander is limited to early stages. The chick is studied by surface mounts and sections through the 72 hour stage. One stage of the pig it studied by dissections and sections. *One year college biology prerequisite. Five hours a week, second semester.*

7. GENERAL PHYSIOLOGY.—Laboratory work, lectures, and recitations dealing with the characteristic properties of living matter and a study of such fundamental processes as digestion, respiration, circulation and excretion, together with an analysis of the relations of an animal with its environment. *One year college biology prerequisite. Four hours a week, first semester.*

8. EVOLUTION AND HEREDITY.—A lecture course dealing with the development and present status of the more important theories of organic evolution and heredity with a consideration of the facts upon which they are based and their modern applications. *One year college biology prerequisite... Four hours a week, second semester.*

9. PLANT HISTOLOGY.—A laboratory course dealing with the collection and preservation of botanical material and the principles of microtechnic. One semester of general botany prerequisite. *Credit and hours to be arranged.*

10. MARINE ZOOLOGY.—Summer work at the Marine Biological Laboratory, Woods Hole, Mass. *5-12 hours credit depending on the amount and quality of the work.*

11, 12. BIOLOGICAL PROBLEMS.—Special topics for investigation either in the field, laboratory, or library may be assigned to advanced students. *Credit and hours to be arranged.*

BUSINESS ADMINISTRATION

ALBERT R. ELLINGWOOD, Professor

Assistant Professor to be chosen.

1-2. ACCOUNTING.—This is an introductory course designed to acquaint the student with the terminology, general principles, and methods of accounting and to lay the basis for intensive study of accounting practice in any particular field. An examination of the chief types of bookkeeping; business forms, practices and documents as classified and recorded by the accountant; systems of accounting employed for the partnership, the corporation, and municipality. Some of the topics to which special attention is given are the distinction between capital and revenue; maintenance, improvement, and depreciation; deferred credits. Throughout the course the student is given abundant practice in dealing with concrete data. Not open to freshmen. *Three hours a week, both semesters.*

3-4. BUSINESS LAW.—The legal principles applicable to commercial transactions. In the first semester a general survey is made of the formation, interpretation, operation, and discharge of contracts,— the machinery which alone makes possible the functioning of the whole business world. In the second semester there is a more detailed study of the legal rules governing the sale of goods and negotiable instruments. The purpose of the course is to build up a thorough knowledge of the fundamentals of each subject in a series of lectures supplemented by extensive reference to decided cases and a frequent discussion of problems. Prerequisite, Economics 1-2. *Three hours a week, two semesters.*

5. COMMERCIAL DEVELOPMENT.—The history of the development of commerce within the U. S. and between the U. S. and

other countries. The geographical, economic, social, and political causes and conditions of changes in commercial relations, especially from 1750 to 1900. A brief history of the development of the forms of industrial organizations and of the growth in size and complexity of agriculture, manufacturing, and transportation to make clear the part they have played in commercial progress. Prerequisite, Economics 1-2. *Three hours a week, first semester.*

6. Economic Geography.—This is a descriptive course intended to complete the study commenced in Business 5 by giving a comprehensive survey of the natural and industrial resources and commercial conditions in the principal countries of the world at the present time with emphasis upon the geographical factors. The influence of the different forms of physical environment, location, and climate upon economic development, the world distribution of the more important economic goods, and a consideration of existing and probable opportunities for international trade. Prerequisite, Business 5. *Three hours a week, second semester.*

7. Foreign Trade.—The nature, methods, and policies of international commerce. A sketch of the development of the foreign trade of the U. S., and an examination of the commercial position occupied by the U. S. as a result of the world war, ending with an analysis of our present export balance, and a consideration of the probable tendencies in the immediate future. Some of the topics discussed are trade routes, tariff policies, sales methods, shipping facilities and policies, and an American merchant marine. Emphasis is placed upon American problems, especially those pertaining to the financial and industrial organizations for carrying on foreign trade. The course includes a rapid survey of the principles and practices of foreign exchange and a discussion of the relation between foreign trade and abnormal rates of exchange. Business 5 must precede or accompany this course. Given in 1921-22 and alternate years. *Two hours a week, first semester.*

8. Business Organization and Management.—The structure and functions of internal organization and management in the different types of industries. An exposition of the criteria for the determination of the location for a given business enterprise, the plant layout, the choice of a system of organization, and the selection of the broad administrative policies. The units of organization and interdepartmental relations; problems connected with the handling of material, and the employment and direction of labor; purchasing, routing, distribution, collections, etc. Economics 1-2 must precede or accompany this course. *Three hours a week, second semester.*

9. Office Organization and Factory Management.—This course is a continuation of Business 8. It deals first with the principles of organization applicable to the office, taking up questions of personnel, office equipment, the keeping and filing of departmental records, distribution of responsibility, etc. The greater part of the course is given to the principles and practices of management in the manufacturing enterprises; the location, equipment, and arrangement of the plant; methods adapted to the different departments; stabilization of production; the personnel department; relations of the employer and organized labor; welfare work and the prevention of accidents. Considerable time is given to the various elements of scientific management. Prerequisite, Business 8. Given in 1922-23 and alternate years. *Three hours a week, first semester.*

10. Salesmanship.—The principles of salesmanship. The structure and operation of sales organizations and the technique of selling. The underlying, psychological factors in salesmanship; the selection and training of salesmen; the planning and execution of sales campaigns; sales by correspondence; the statistical investigation of sales efficiency and of the periodic and sectional distribution of sales. The theory is developed by the use of numerous current problems. Prerequisite, Economics 1. Given in 1921-22 and alternate years. *Two hours a week, second semester.*

11. Cost Accounting.—The relation of cost accounts to the other books of a business and the importance of systematized cost accounting. The forms of accounting statements for factories, and the methods applicable to the particular types of industries. Prime cost and overhead costs, and the distribution of the latter. The effectiveness of labor and the distribution of labor costs. The course includes considerable practice in dealing with cost data, and each student is required to work out a cost accounting system for given conditions. Prerequisite, Business 1-2. Given in 1922-23 and alternate years. *Two hours a week, first semester.*

12. Marketing.—The methods of marketing and the part played by the different agents in the distributive system. The principles applicable to the marketing of different classes of goods and a discussion of the chief problems that arise in each case. The creation and maintenance of markets, market analysis, the importance of grading merchandise, the use of brands, the determination of price, insurance against risks, chain stores, and mail-order houses are some of the topics considered. Prerequisites, Economics 1 and Business 1. *Three hours a week, second semester.*

13-14. Advanced Accounting.—A study of the underlying theory of modern accounting systems. The principles of higher

accounting with emphasis upon the problems of corporation accounting such as stock valuation, dividends, reserves and surplus, and liquidation. The course closes with a brief survey of auditing. Prerequisite, Business 1-2. Given in 1922-23 and alternate years. *Two hours a week, both semesters.*

15-16. ADVANCED BUSINESS LAW.—The method of Business 3-4 is continued. The law of common carriers with emphasis upon the contract for the carriage of goods; the law of agency, including a study of the different ways in which the contract may arise or may be terminated, and the contractual rights and obligations connected therewith as between the principal, agent, and third party; the law of business association; kinds of partnership and partners; the rules applicable to the formation, operation, and dissolution of partnerships; and the rights and duties of partners and third parties. An introduction to corporation law. Prerequisite, Business 3-4. Not given in 1921-22. *Two hours a week, both semesters.*

17. BUSINESS STATISTICS.—The purpose of this course is to give the student of limited mathematical training an elementary introduction to the methods of statistical investigation and presentation so that he may make simple statistical analyses of the business problems he will meet in practice and will be able intelligently to interpret statistical indices of business conditions and the commercial and financial statistics which form an important part of current business literature. The student is given simple problems in the gathering of statistical data pertinent to the operation of a business enterprise, the analysis thereof, and the presentation of results in tabular and graphical forms. The limitations and abuses of statistics are pointed out, and the student is encouraged to form critical judgments as to the value of statistical results in particular instances. Prerequisite, Economics 1-2. Given in 1921-22 and alternate years. *Two hours a week, first semester.*

18. THE GOVERNMENT AND BUSINESS.—A broad survey of the relations of the federal and State governments with the various forms of business enterprises and industrial organizations. Necessity for governmental control of public service corporations and the methods by which it is exercised. An examination of the arguments for and against government ownership. The regulation of private business; its causes, development and effectiveness. Labor legislation, particularly that dealing with labor unions and their legal rights and obligations. A study of the police power. Political and economic factors in the present attitude of the government toward business. Prerequisites Economics 1-2 and Political Science 1-2. Not given in 1921-22. *Three hours a week, second semester.*

19. COMMERCE AND INDUSTRIES OF THE U. S.—An intensive course intended to give the student a thorough knowledge of the resources, industries, and commercial activities of the different sections of this country so that he may be familiar with the business opportunities in the various fields and understand the place of each industry in the economic organization of the U. S. Special attention is given to the data and problems of the manufacturing industries and inter-regional trade. Each student is expected to submit a report embodying the results of an independent investigation of some one industry or some one region. Prerequisite, Business 5. Not given in 1921-22. *Three hours a week, first semester.*

20. INVESTMENT AND SPECULATION.—The difference between investment and speculation. The nature, methods, and principles of investment; a classification of investment securities, and the merits and defects of each form; tests for the evaluation of investment; investment practice, including the use of bond tables, the analysis of balance sheets and income statements, the distribution of investments, etc. Types of stocks, the stock market, organization and practice of the stock exchanges. Relation between stock and bond prices, the money market, and the general level of prices. Business barometers and forecasts of business conditions. Prerequisite, Business 17 or Economics 9. Given in 1922-23 and alternate years. *Three hours a week, second semester.*

BUSINESS COURSES GIVEN IN THE MATHEMATICS DEPARTMENT

MATHEMATICS 20, THE MATHEMATICS OF FINANCE
MATHEMATICS 21, STATISTICAL THEORY
MATHEMATICS 22, ACTUARIAL SCIENCE

BUSINESS COURSES GIVEN IN THE PSYCHOLOGY DEPARTMENT

PSYCHOLOGY, THE PSYCHOLOGY OF ADVERTISING
PSYCHOLOGY 3, SOCIAL PSYCHOLOGY

CHEMISTRY

FLETCHER B. COFFIN, Professor

1-2. GENERAL INORGANIC CHEMISTRY.—This course is arranged to give a full exposition of the general principles involved in modern chemistry, and comprises a systematic study of the properties of the more important metallic and non-metallic elements and their compounds, and of the applications of chemis-

try in technology. Lectures and laboratory work. *Four hours a week, two semesters.*

3-4. QUALITATIVE ANALYSIS.—This course includes, besides basic and acid analyses of simple substances, analyses of complex mixtures, alloys and minerals. Lectures and laboratory work. Courses 1-2 and 3-4 or their equivalent are prerequisites to the higher courses. *Four hours a week, two semesters.*

5-6. QUANTITATIVE ANALYSIS.—In this course the student obtains a practical knowledge of quantitative chemical analysis. A number of analyses are made, using the more important gravimetric and volumetric methods. *Five hours a week, two semesters.*

7,8. ADVANCED QUANTITATIVE ANALYSIS.—This is a continuation of Course 5-6. It will ordinarily include water analysis, gas analysis, and the analysis of soils, ores and feldspars; however, the subject matter may be changed to suit the needs of the individual student. *Three to five hours a week, two semesters.*

9,10. PHYSICAL CHEMISTRY.—The most important principles of physical chemistry are discussed in lectures. These include the gas laws, thermochemical change, phase rule, osmotic pressure, electrolytic dissociation, chemical statics and dynamics, and electro-chemistry. Parallel assigned reading from the modern treatises of Ostwald, Nernst, Walker, Jones, and other writers is required. *Two hours a week, two semesters.*

11. ORGANIC CHEMISTRY.—Lectures on the fundamental principles of organic chemistry. Stress is laid on the methods of preparing organic compounds, their structures and relationships. The course follows somewhat Holleman's *Text-book of Organic Chemistry. Three hours a week, first semester.*

12. ORGANIC PREPARATIONS.—This is a laboratory course which presupposes Course 11. A number of typical organic compounds are prepared, using Gattermann's *Organic Preparations* as a guide. *Three hours a week, second semester.*

13, 14. RESEARCH WORK.—Special topics for investigation by advanced students will be assigned after consultation. Time and credit individually arranged.

A course not offered one year is ordinarily offered the succeeding year.

ECONOMICS

ALBERT R. ELLINGWOOD, Professor

Instructor to be chosen

1-2. INTRODUCTION TO ECONOMICS.—A study of the general organization and fundamental principles of our economic system. The course is intended to afford a sound theoretical basis for detailed investigation in any of the more specialized economic

fields, and also to point the way to the practical application of economic laws to daily problems, especially in the business world. Emphasis will be placed upon the law of supply and demand, price, business organization, money, banking, international trade, foreign exchange, the distribution of wealth, labor problems, transportation, and taxation. Not open to freshmen. *Three hours a week, two semesters.*

5. MONEY AND BANKING.—The nature and use of money as a medium of exchange. Recent monetary history, and the existing monetary systems of the U. S. and the more important foreign countries. Bimetallism, credit, credit instruments, paper money, the quantity theory of money, the relation of money and credit to prices, and modern currency problems. The general principles of banking, a survey of the banking systems of England, France, and Germany, and a careful analysis of the Federal Reserve System in the U. S. Discussion of current topics and statistics relating to money, banking, domestic and foreign commerce and exchange, price movements, etc. Prerequisite, Economics 1-2. *Three hours a week, first semester.*

6. BANKING PRACTICE.—A continuation of Economics 5 with emphasis upon the organization and functions of the different types of banking institutions and the actual problems encountered in banking practice. Particular attention is given to the organization and operation of national banks, bank loans and investments, bank statements and statistics, the New York money market, agricultural and cooperative credit, and the place of the Federal Reserve Banks in our system. There is a discussion of current topics and statistics relating to money and banking, domestic and foreign exchange, price movements, etc. A current financial journal is used, and frequent reports on assigned subjects are required. Prerequisite, Economics 5. Given in 1920-21 and alternate years. *Three hours a week, second semester.*

7. PUBLIC FINANCE.—An introduction to the general field of public finance, followed by an analytic treatment of financial systems in the U. S. and certain other countries. Public revenues, their nature, classification, and characteristics; public expenditures, their classification and distribution; public credit, its methods and operation. A comparative study is made of budget systems, local and national, and special attention is given to state and federal taxation systems and problems in the U. S. Economics 5 must precede or accompany this course. Given in 1922-23 and alternate years. *Three hours a week, first semester.*

8. TRANSPORTATION.—Railways from the point of view of economics. The history of the transportation problem in the U. S. since the Civil War. Theories of rates; combination and

pooling; consolidation; federal and state control of common carriers; government ownership. A comparative study of the railway systems of other countries, especially England, France, Canada, and Australia with a consideration of the economic significance of the world's great railway systems. A survey of the Interstate Commerce Act, the work of the Interstate Commerce Commission, important rate cases, and the operation of the Transportation Act of 1920. Prerequisite, Economics 1-2. Given in 1921-22 and alternate years. *Three hours a week, second semester.*

9. Corporation Finance and Industrial Organization.—A history and description of the different types of business organization with emphasis upon the corporation. The process of formation of corporations, kinds of securities, methods of promotion, underwriting, capitalization, etc.; principles of corporate administration, investment of funds, financial statements, depreciation funds, dividends; the failure of corporations, receiverships, and reorganizations. Advantages and disadvantages to the business man and to society of the corporate form of organization. Public utility corporations. The trust problem. The governmental regulation of corporations in the U. S. with special attention to the Sherman Law and the Federal Trade Commission. A standard financial journal is used. Prerequisites, Economics 1-2 and Business 1-2. *Three hours a week, first semester.*

10. Railway Problems.—An advanced course in transportation practice in the U. S. A detailed analysis is made of the more important problems of railway administration with emphasis upon the relations of the railways to the business life of the country, to labor, and to the government. There is constant reference to railway periodical literature and current problems. Each student will be required to make a careful study of some one railway. Prerequisite, Economics 8. Given in 1922-23 and alternate years. *Two hours a week, second semester.*

11. Insurance.—The nature and purposes of insurance and the underlying principles of its more important forms. The organization and administration of insurance companies and their control by the state. The various kinds of policies and the chief legal questions connected therewith. Computation of premiums, endowments, surpluses, dividends, etc. Prerequisite, Economics 1-2. Given in 1921-22 and alternate years. *Three hours a week, first semester.*

12. Labor Problems.—The place of labor in the modern industrial system and an analysis of its outstanding problems. Some of the topics examined at length are labor unions, employers' unions, the open shop, wages, hours of labor, woman and child labor, working conditions, workmen's compensation acts, minimum wage laws, unemployment, insurance, the strike, the boycott, and the lockout. Special attention is given to recent developments in the methods of adjusting disputes between capital and labor. Prerequisite, Economics 1-2. Given in 1921-22 and alternate years. *Three hours a week, second semester.*

101. Principles of Sociology.—The nature and scope of sociology. A descriptive and analytic study of the different social groups; the sociological laws to which they are subject and their value to society as a whole. Social forces and processes, and the physical, psychological, biological, racial, economic, and cultural factors that make for social progress. A more extended discussion of selected topics, such as environment, heredity, natural selection, division of labor, sex, art, and religion. Prerequisite, Economics 1-2. Given in 1921-22 and alternate years. *Three hours a week, first semester.*

102. Charities and Corrections.—A description of the various kinds of dependency and delinquency, their causes and social treatment. The chief subjects considered are poverty, employment, public and private poor relief, disease, old age pensions, and social settlements. The course closes with a survey of the science of criminology and penology, including a study of the individual and social causes of crime, the theories of punishment, and modern methods in the treatment of offenders. Prerequisite, Economics 101. Given in 1921-22 and alternate years. *Three hours a week, second semester.*

104. Social Problems.—An advanced seminar course dealing with selected problems in the sociological field, a detailed and practical consideration of such topics as urban congestion, assimilation of immigrants, racial intermarriage, population problems, alcoholism, prostitution, the socialization of churches and colleges, etc. The student may be required to do field work in Chicago and the neighboring territory. Prerequisite, Economics 101. Given in 1922-23 and alternate years. *Two hours a week, second semester.*

EDUCATION

Mary Hamilton, Assistant Professor

1-2. Principles of Teaching.—Study and discussion of certain fundamental principles necessary to intelligent teaching. *Three hours a week, two semesters.*

3-4. Philosophy of Education.—Study and discussion of fundamental questions which lie at the basis of progressive educational theory and practice. Open only to Seniors. *Three hours a week, two semesters.*

5-6. PROBLEMS OF SECONDARY EDUCATION.—Study and discussion of important problems of the secondary school. *Three hours a week, two semesters.*

ENGLISH

DANIEL FORD, Professor
CHARLES C. MATHER, Instructor

English 1-2 constitutes six hours composition required of all students, and must be taken in the freshman year. For the four hours of literature which are required, either 5-6 or 7-8 may be taken. Students who choose English as a major subject must take twenty-four hours in addition to 1-2, including either 19-20 or 21-22.

1-2. WRITTEN AND ORAL COMPOSITION.—Professor Ford and Mr. Mather. *Three hours a week, two semesters.*

5-6. VICTORIAN LITERATURE.—English writers of the last three generations. Professor Ford. Not given in 1921-22. *Two hours a week, two semesters.*

7-8. HISTORY OF ENGLISH LITERATURE.—Lectures, with assigned reading. Professor Ford. *Two hours a week, two semesters.*

9-10. MIDDLE-ENGLISH LITERATURE. — Chaucer, Langland, and minor writers. Professor Ford. *Three hours a week, two semesters.*

11-12. SPENSER AND MILTON.—English Literature, exclusive of the drama, of the 16th and 17th centuries. Not given in 1921-22. *Three hours a week, two semesters.*

13-14. OLD ENGLISH.—The study of Old English Grammar and the reading of easy texts, prose, and poetry. Not given in 1921-22. *Three hours a week, two semesters.*

15-16. SHAKESPEARE.—The plays are studied primarily as acting dramas, not as a corpus for literary and linguistic criticism. Alternates with English 17-18. *Three hours a week, two semesters.*

17-18. ENGLISH DRAMA.—Lectures on the course of English dramatic literature, with the reading of typical plays. Mr. Mather. Not given in 1921-22. *Three hours a week, two semesters.*

19-20. THE CLASSICAL PERIOD.—English Literature from 1660 to 1765. Professor Ford. Not given in 1921-22. *Three hours a week, two semesters.*

21-22. THE ROMANTIC PERIOD.—English Literature from 1765 to 1832. Professor Ford. Alternates with English 19-20. *Three hours a week, two semesters.*

23-24. RHETORIC AND COMPOSITION.—Open to students who have passed in English 1-2. A study, more advanced than in English 1-2, of the mechanism of English style, with writing, chiefly from models. Professor Ford. *One or two hours a week, one or two semesters.*

25-26. PUBLIC SPEAKING.—The first semester is devoted to the study of vocal technique, and the application of the principles of it to oral reading and the dramatic interpretation of memorized prose and poetry. The second semester is given to the preparation and delivery of short practical talks — especially occasional talks; this work is supplemented by the reading and analysis of certain famous speeches. Professor Ford. *Three hours a week, two semesters.*

27-28. ARGUMENTATION AND DEBATING.—Open to students who have passed in English 1-2. Professor Ford. *Two hours a week, two semesters.*

29-30. AMERICAN LITERATURE.—Lectures, with assigned reading. *Two hours a week, two semesters.*

GREEK

*WALTER RAY BRIDGMAN, Professor
GEORGE DUMAS STOUT, Instructor

The subjoined courses are typical, and cannot all be given in any one year. Courses 1-6 are required of all students who major in Greek.

1-2. BEGINNING GREEK.—A rigorous course, the purpose of which is to accomplish in one year much of the ordinary preparatory work in Greek. *Five hours a week, two semesters.*

3. To follow course 1-2. Easy reading, including selections from Xenophon, and composition. *Five hours a week, first semester.*

4. HOMER.—Four to eight books with informal lectures on Homeric questions and some study of Homeric archæology. *Three or five hours a week, second semester.*

5. PLATO.—Apology, Crito, and Phaedo. *Three hours a week, first semester.*

6. DRAMA.—One play of each of the tragedians, and the *Birds* of Aristophanes; with a full course of lectures on the Greek theatre, and comparison with modern drama. *Three or five hours a week, second semester.*

7. HERODOTUS, one book, LYRIC POETS, selections. *Two hours a week, first semester.*

Courses in the Historians and Orators or in Lucian will be given whenever there is a demand for them, in alternate years, in substitution for 5 and 6.

*Absent on leave, 1920-21.

HISTORY

WILLIAM L. BURNAP, Professor

The following courses, it is believed, will give the student a fitting introduction to the great field of history. Special stress is laid on methods of historical study. Much collateral reading is necessary, and reports, both oral and written, are required on subjects assigned for investigation in the library. An attempt is made to combine methods of investigating historical subjects with practice in presenting them.

It will be an advantage to the student to take the courses in the order given.

1, 2. THE DARK AGES TO THE FOUNDING OF THE GERMAN EMPIRE.—*Three hours a week, two semesters.*

3, 4. EUROPE FROM 1815 TO 1914.—Open to all students except Freshmen. *Two hours a week, two semesters.*

5. ENGLAND IN THE SEVENTEENTH CENTURY.—The Stuarts, the Great Civil War to the Revolution, 1603-1689. *Three hours a week, first semester.*

6. ENGLAND IN THE EIGHTEENTH CENTURY.—*Three hours a week, second semester.*

7. HISTORY OF THE UNITED STATES, 1783-1829.—Prerequisite, History 5 and 6. *Three hours a week, first semester.*

8. HISTORY OF THE UNITED STATES, 1829-1865. Perequisite History 5, 6, and 7. *Three hours a week, second semester.*

9. TEACHERS' COURSE IN AMERICAN HISTORY.—This course is open only to students who have taken the English and American history courses or their equivalents. *Two hours a week, two semesters.*

HOME ECONOMICS

GERTRUDE E. MEYER, Instructor

1-2. FOODS AND COOKERY. The aim of of this course is to give a working knowledge of the general principles of cookery and the application of these principles. It will include the study, planning, cooking and serving of breakfasts, luncheons and dinners. Prerequisite, one year of chemistry. *One hour lecture, four hours laboratory; three credits each semester.*

3-4. ELEMENTS OF NUTRITION AND DIETETICS. This course deals with the essentials of an adequate diet and the nutritive properties of common food materials. The economic standpoint is duly considered. Estimates of food values and the preparation and service of practical dietaries constitute the laboratory work. Prerequisite, Home Economics, 1-2, or its equivalent. *One hour lecture or recitation, two hours laboratory; two credits each semester.*

LATIN

*WALTER RAY BRIDGMAN, Professor

GEORGE DUMAS STOUT, Instructor

This department aims to train the student to a practical mastery of the Latin Language, and to give him a comprehensive view of the literature therein, and of Roman civilization in its various aspects. The relation of ancient Rome to modern life and is influence upon it are emphasized.

A-B. An elementary course, adapted to the preparation and requirements of the students registering for it. Intended to cover the work of two years of preparatory school Latin. Given only at the option of the instructor. *Five hours a week, two semesters.*

1. PLINY.—Selected letters. Private life of the Romans. Composition, oral and written. *Three hours a week, first semester.*

2. LIVY.—Selections. Terence, one play. *Three hours a week, second semester.*

3. COMPOSITION, ORAL AND WRITTEN. *Two hours a week, first semester.*

4. REVIEW OF ROMAN HISTORY, with special reference to the literature. Knowledge of Latin not necessary. *Two hours a week, second semester.*

5. HORACE.—Odes, and selections from Satires and Epistles. *Three hours a week first semester.*

6. ELEGY.—Selection from Catallus, Tibullus, Propertius, and Ovid. *Three hours a week, second semester.*

7. TACITUS.—Germania and Agricola. *Two hours a week, first semester.*

8. SATIRE.—Selected satires of Horace, Persius, and Juvenal. *Two hours a week, second semester.*

20. A SURVEY OF LATIN LITERATURE, in English. Lectures, with outside reading in translations, and written reports. Knowledge of Latin not necessary. *Two hours a week, second semester.*

MATHEMATICS

MALCOLM MCNEILL, Professor

Courses 1 and 2 constitute the required work in Mathematics and must be taken by all students during their freshman year except when special permission for deferring is given by the Freshman Advisory Com-

*Absent on leave, 1920-21.

mittee. They are prerequisite for more advanced work in the department.

1. ALGEBRA.—*Three hours a week, first semester.*
2. TRIGONOMETRY.—*Three hours a week, second semester.*
4. SOLID AND SPHERICAL GEOMETRY.—This is a brief course for those students who have not presented the subject at entrance, and will be given provided a sufficient number apply. *Two hours a week, second semester.*
5. ANALYTIC GEOMETRY.—*Five hours a week, first semester.*
6. DIFFERENTIAL AND INTEGRAL CALCULUS.—*Five hours a week, second semester.*
7. SURVEYING.—Not given in 1921-22. Alternate years. *Three hours a week, first semester.*

9-10. ADVANCED COURSES.—For students who wish to continue the study of Mathematics beyond the first two years, courses are offered in Modern Pure Geometry, Advanced Analytical Geometry and Calculus, Differential Equations, Theoretical Mechanics, and Theory of Functions, the subjects taken being selected with a view to the needs or wishes of the group of students concerned. *Three hours a week, two semesters.*

20. MATHEMATICS OF FINANCE.—A course in the application of the laws of interest to accumulation, discount, annuities, amortization, bond yield and valuation, sinking funds, depreciation, life insurance, and other related topics. Required of all students in the School of Business Administration, as a first year subject. Elective for other students. *Three hours a week, second semester.*

21. STATISTICS.—A course in interpretation of statistics, with reference to the theory of probability, expected deviations, measure of precision, probable error, and so forth. Open to students who have had a course in Calculus. *Three hours a week, first semester.*

22. ACTUARIAL SCIENCE.—Theory and practice of life insurance, various forms of policy, reserves, legal aspects, and so forth. *Three hours a week, second semester.*

LIBRARY.—A small, but well selected, departmental library is kept in the class-room, so as to be available for immediate use.

MUSIC

Courses in Music are given in the Lake Forest University School of Music, information concerning which can be secured on application.

PHILOSOPHY

The regular work of this Department was suspended in 1920-21 pending the appointment of a professor

of philosophy and psychology. Special courses were given by Visiting Professor E. L. Schwab and Visiting Professor L. W. Webb as described below.

As the science of fundamental principles, Philosophy gives unity and completeness to a general education. Because concerned with those ultimate problems of human life which have a vital interest for all persons, Philosophy should also be in the highest degree concrete and practical. The aim in this department is to make the student acquainted with the most important results of philosophical inquiry and to bring these results into close connection with the needs and purposes of practical life.

Course 1 is introductory and should be taken not later than the Sophomore year for the required credit in the department. Courses 5-6 and 7-8 should be preceded by Course 1 and may not be taken before the Junior year. They are the central courses of the department and must be taken by all students who have Philosophy as one of their major subjects. The other courses may be taken in any order by students who have passed the Freshman year.

A. DEVELOPMENT OF SOCIAL AND MORAL INSTITUTIONS.—An outline of the history of moral beliefs and practice with the purpose of throwing light upon social, political, and ethical problems. Lectures, with assigned reading. *Two hours a week, two semesters.*

1. INTRODUCTORY COURSE IN PSYCHOLOGY.—In this elementary course the various mental processes will be studied in order of increasing complexity. Text-book: Pillsbury's *Essentials of Psychology. Three hours a week, first semester. Professor Webb.*

2. ETHICS.—A general course in the science of human conduct. The leading conceptions of the moral ideal will be reviewed and criticized in an effort to determine what is the *summum bonum* in human life. A chief aim of this course will be to give the student a rational basis for the solution of actual moral problems. Text-book: Wright's *Self-Realization. Three hours a week, second semester.*

3. SOCIAL PSYCHOLOGY.—In this course the psychology of the different forms of human association is systematically studied. *Two hours a week, first semester.*

4. LOGIC.—An elementary course in the science of thought. The laws of correct reasoning in formal argument and scientific induction will be studied and practice given in the detection of fallacies. *Two hours a week, second semester.*

5-6. HISTORY OF PHILOSOPHY.—In this course the history of philosophical speculation will be studied from its origin among the Greeks down to the present time. The history of philosophy will be shown to be not a medley of conflicting opinions, but a consistent development of certain fundamental conceptions of man, the world, and God. This course alternates with Philosophy 7-8. *Three hours a week, two semesters.*

7-8. PROBLEMS OF PHILOSOPHY.—This course aims to combine the purposes of an introduction to philosophy and a study of leading metaphysical problems. Following an outline of topics prepared by the instructor the class will read selected portions of standard philosophical works. This course alternates with Philosophy 5-6. *Three hours a week, two semesters.*

9-10. NATURALISM AND RELIGION.—In this lecture course the development of certain modern scientific conceptions will be discussed with particular reference to their bearing on problems of ethics and religion. Points of conflict between the two views of the world will be especially noted and the possibility of a harmonious adjustment will be finally considered. This course alternates with Philosophy 11-12. *Two hours a week, two semesters.*

11-12. THEORY OF EVOLUTION.—In this lecture course, a survey will be made of the development of the theory of evolution from the time of the Greeks to the present. Darwin's epoch-making work will be considered and his law of natural selection discussed and explained. Finally the bearing of evolution upon the ultimate problems of philosophy will be considered, and an effort made to reach some definite conclusions on the subject. This course alternates with Philosophy 9-10. *Two hours a week, two semesters.*

EDUCATIONAL PSYCHOLOGY.—A study of the learning process. The principles of Psychology, such as memory, imagination, perception, reasoning, etc., are presented and applied to problems in Education. Lectures, text-book, and assigned readings. Open to Sophomores, Juniors, and Seniors who have completed Psychology A1. Credit, *two semester-hours. Professor Webb.*

HISTORY OF ANCIENT PHILOSOPHY.—An account of the development of Occidental philosophy from its beginnings to the period of St. Augustine, with emphasis upon the underlying factors and upon ethical and social implications. Lectures and class discussions of text-book and of assigned readings. *Two hours a week, first semester. Professor Schwab.*

PROBLEMS IN PHILOSOPHY.—An analysis, based upon Fullerton's *Introduction to Philosophy*, of various fundamental problems of epistemology and of metaphysics. Lectures and class discussions. *Two hours a week, first semester. Professor Schwab.*

PHYSICAL TRAINING

SYLVESTER DERBY, Director of Physical Education for Men
KATHARINE C. COAN, Director of Physical Education for Women

The aim of this department is the education through physical means of the mental, moral, social and bodily powers. The work is based on physical examinations made at the beginning of the student's college course and at stated periods thereafter; personal attention and instruction are given to the students by the directors.

Physical training in the gymnasium or out of doors, under the supervision of the directors, is required in the freshman, sophomore and junior years of all men students, two hours a week for the whole of each semester, and of all women from the opening of college to June 1st, three hours a week for freshmen and sophomores and two hours a week for juniors and seniors. A one hour lecture course in Personal Hygiene is required of all freshman women as one of their three hours.

The college authorities encourage sports on the athletic field in such amount and of such character as is compatible with the higher objects of the College.

For the purpose of encouraging and guiding the interest in athletics, the students of the College have organized an Athletic Association. The management of the athletic interest of the College is vested in a Board of Control, which consists of representatives of the faculty, students, and alumni.

FOR MEN

Light and heavy gymnastics, work with wands, Indian clubs, dumb-bells and medicine balls. Gymnastic games such as volley-ball, indoor baseball, hand-ball, and basket-ball, with modifications of these games will also form a part of the work.

Throughout these courses talks will be given on hygiene, physiology, and the physiology of exercise, supplemented by assigned outside reading.

Teams are organized in all branches of sport for inter-collegiate contests. Class teams are also organized in many branches.

Faithfulness in training and practice count for more in securing places on the College teams than individual brilliancy and natural ability alone.

For men who desire such work, a special course will be given that will cover all the problems of coaching and directing interscholastic athletic activities.

For Women

Gymnastics, field hockey, tennis, aesthetic and folk dancing, swimming, basket ball, baseball, track and volley-ball are offered. Every student is given a thorough examination at the beginning and end of each year and a record is kept of the same. For those physically defective personal perscriptions are carried out in individual corrective work. Students are only excused from the physical training requirement on recommendation of the examining physician, or of a family physician with a statement of reasons.

Throughout the entire year matches in the various sports are held in accordance with the plan of the Women's Athletic Association, a Field Day, swimming meet, indoor gymnastic meet, and interclass basketball tournament. The letters L. F. may be given any individual who shows in any activity an "A" record in attendance, carriage, skill and effort. An outdoor dance drama or pageant may be presented in the spring. An individual cup or other award may be given to the winner of the tennis tournament. The following personal equipment is needed: black gymnasium bloomers, Style O. B., purchased at E. R. Moore Co., 928-932 Dakin St., Chicago, Ill., long sleeved all-white middy, black tie, leather gymnasium shoes, tennis shoes, heavy sweater, and tennis racquet.

PHYSICS

Edmund J. Rendtorff, Acting Professor

1-2. General Physics.—Lectures, recitations and laboratory. Prerequisite: High School Algebra and Plane Geometry. This course or its equivalent is prerequisite to further work in the department. The course is intended to give the student a general knowledge of the fundamental facts of Physics, an understanding of the important laws and principles, and the ablity to use these facts, laws and principles in the solution of simple problems arising in the laboratory and in everyday life. Attention is paid to the historical development of the subject and to the trend of modern thought. *Fours a week, two semesters.*

3. Mechanics and Heat.—Lectures, recitations and laboratory. *Three hours a week, first semester.*

4. Electricity, Sound and Light.—Lectures, recitations and laboratory. *Three hours a week, second semester.*

Prerequisite: Physics 1-2, College Algebra, and Trigonometry. These courses are intended to give the student a detailed knowledge of the facts in these branches of Physics, a thorough understanding of the elementary analytical theory, and the ability to test the theory by experiment without supervision and to report intelligently on the results of the tests.

Both courses should be elected by students preparing to teach science in secondary schools and by those intending to enter professional or graduate schools with a Physics requirement. It is desirable that they be elected as a course throughout one year.

5-6. Applied Electricity.—Lectures and laboratory. The subject of electricity and electromagnetism will be studied from the technical and electrical engineering standpoint. The course is similar to that given in the junior year in the electrical engineering course of the larger technical schools. Prerequisite: Physics 1, 2, 3, and 4; College Algebra, and Trigonometry. *Two hours a week, two semesters.*

POLITICAL SCIENCE

Albert R. Ellingwood, Professor

1-2. American Government.—The purpose of this course is two-fold: first, to give the student a general knowledge of the origin, structure, development and functioning of our national, State and local governments; secondly, using the facts of our own political organization as a starting point, to develop the basic principles of political science. The student is taught to view politics as a living process, intimately related to our daily lives, and close contact with current events is constantly maintained. Not open to Freshmen. *Three hours a week, two semesters.*

3-4. International Law.—The general principles governing the intercourse of nations. The development of the idea of a Ius Gentium. Nationalism and internationalism. The contribution of the United States to international law. Particular attention will be given to the Paris Conference of 1919 and the consequent changes in international practice. First semester, the Law of Peace; second semester, the Law of War. Prerequisite, Political Science 1-2. Given in 1921-22 and alternate years. *Three hours a week, two semesters.*

5. English Government.—The nature, structure and operation of English government as it is today. A careful comparison is made of the parliamentary and non-parliamentary forms of government. Prerequisite, Political Science 1-2. Given in 1920-21 and alternate years. *Three hours a week, first semester.*

6. History of Political Theories.—The development of political thought from earliest times. Lectures, and readings in Plato, Aristotle, Machiavelli, Hobbes, Locke, Montesquieu, Rousseau, Bentham, Austin, and contemporary writers. The interdependence between political theory and political practice at different periods of the world's history is constantly emphasized, and wherever possible the applicability of the classical theories

to modern problems is tested. Prerequisite, Political Science 1-2. Given in 1920-21 and alternate years. *Three hours a week, second semester.*

MODERN LANGUAGES

FREDERICK C. L. VAN STEENDEREN, Professor
THOR J. BECK, Instructor

FRENCH

1-2. FIRST YEAR COURSE.—This course consists of the study of grammar, composition, and the reading of modern French. Careful training in pronunciation is given. In this, as well as in the more advanced courses, the French language will be used as much as possible. *Two sections. Five hours a week, two semesters.* Prof. van Steenderen and Mr. Beck.

3, 4. SECOND YEAR.—This course deals with short stories, poems, novels, and plays of the great poets and masters of fiction and drama in France during the more recent periods. *Three hours a week, two semesters.*

5, 6. SECOND YEAR COURSE.—This is a course in prose composition and oral expression. It may be taken alone or, more profitably, with 3, 4. Either of the second year courses admits to courses 7, 8 and 9, 10, but no student will be recommended by this department for a position as teacher of French who has not satisfactorily completed Course 5, 6. *Two hours a week, two semesters.* Mr. Beck.

7, 8. THE DRAMA.—Special attention is given to Molière and the development of Comedy in connection with social characteristics. Class readings, reports, and lectures surveying French literature of the last three centuries. Prerequisite, Courses 1 to 6. Given in 1921-22 and alternate years. *Two hours a week, two semesters.* Prof. van Steenderen.

9, 10. THE NOVEL.—A study of the novel in France in its various transformations, and its relation to movements of thought and historical environment. Class readings, reports, and lectures as above. 1922-23. *Two hours a week, two semesters.* .. Prof. van Steenderen.

11, 12. HISTORY OF FRENCH LITERATURE.—A general survey course, intended to impart familiarity with the principal names, titles and currents. Prerequisite: Course 3, 4. Given in 1920-21 and alternate years. *Two hours a week, two semesters.* Prof. van Steenderen.

13, 14. ADVANCED COMPOSITION. TEACHER'S COURSE.—French conversation and writing on assigned topics. Pronunciation scientifically studied. Prerequisite: Courses 5, 6; 7, 8 or 9, 10. 1921-22. *Two hours a week, two semesters.* Prof. van Steenderen.

GERMAN

1, 2. FIRST YEAR COURSE.—The aim of this course is to give the student a thorough training in the essentials of modern German. No class will be organized for less than ten students. *Three hours a week, two semesters.* Mr. Beck.

3,4. SECOND YEAR COURSE.—Selections from the works of Sudermann, Keller, Scheffel, Freytag, and other modern authors. *Three hours a week, two semesters.* Mr. Beck.

ITALIAN

1-2. FIRST YEAR COURSE.—This course aims to cover the necessary grammatical ground rather quickly with a view to an early introduction to Italian literature. Not open to students who have no previous experience with foreign language. Not given in 1921-22. *Three hours a week, two semesters.* Prof. van Steenderen.

SPANISH

1-2. FIRST YEAR COURSE.—This course gives a fairly good reading knowledge of Spanish. The student is expected to acquire a thorough knowledge of the main facts of Spanish grammar and some ability in writing Spanish. *Two sections. Five hours a week, two semesters.* Prof. van Steenderen and Mr. Beck.

3, 4. SECOND YEAR COURSE.—Spanish-American, as well as Castilian, authors will be read. Composition, Business Spanish. *Three hours a week, two semesters.* Prof. van Steenderen.

DEGREES CONFERRED

AT THE ANNUAL COMMENCEMENT, JUNE 1920

BACHELOR OF ARTS

Armstrong, Mason Gaston ..... Ottumwa, Iowa
Chemistry — Mathematics

Babcock, Della Ruth ..... Chicago
Latin — German

Bosworth, Thomas Augustus ..... Ottumwa, Iowa
Biology — Chemistry

Brown, Eloise Fearson ..... Chicago
Philosophy — English

Casjens, Floyd Marion ..... Orange City, Iowa
Political Science — English

*Downs, Vernon Sawyers ..... Ottumwa, Iowa
Biology — Philosophy

*Farwell, Zelma Elizabeth ..... Channing, Texas
Philosophy — English

Greenleaf, Myrtle ..... Waukegan
Mathematics — Romance Languages

Herrcke, Glen Winfield ..... La Salle
Chemistry — Mathematics

Holden, Leonard Parke ..... Elgin
Modern Languages — Political Science

Martin, Josephine Eliza ..... Watseka
English — Romance Languages

McCoy, John Calvin ..... Evanston
Philosophy — English

McLaren, Gertrude Irene ..... Lake Forest
English — Romance Languages

Merner, Anna Pfeiffer ..... Cedar Falls, Iowa
German — Romance Languages

Metzger, Florence Edna ..... Joliet
History — English

Moore, Raymond ..... Lake Forest
Philosophy — English

Newcomb, Florence ..... Lake Forest
Romance Languages — Latin

Russell, Florence Adelia ..... Lake Forest
Mathematics — Latin

Schreurs, Warren Drummond ..... Highland Park
Political Science — Romance Languages

Stewart, John Ralph ..... Leon, Iowa
English — Mathematics

Woods, Donald Carmel ..... Pontiac
Political Science — Philosophy

*Diploma to be given on completion of a residue of work.

HONORS AND PRIZES 1919-1920

**Shield Honors—Class of 1920*

Della Ruth Babcock
Leonard Parke Holden
Anne Preiffer Merner
John Ralph Stewart

Departmental Honors—Class of 1920

Della Ruth Babcock ..... Latin and Education
Thomas Augustus Bosworth ..... Chemistry
Vernon Sawyers Downs ..... Biology
Leonard Parke Holden ..... Political Science
John Calvin McCoy ..... Philosophy
Florence Newcomb ..... Romance Languages
John Ralph Stewart ..... English

CLASS HONORS

The following list includes the total record to date in each class group:

Class of 1920

Della Ruth Babcock
Leonard Parke Holden
Anna Pfeiffer Merner
Florence Newcomb
Florence Adelia Russell
John Ralph Stewart

Class of 1921

Anna Eleanor Goble
Garnette Adelaide Higbee
James Henry Leonard
Elizabeth Ellen Lichty
Lois Alma Ryno
Eugene Weston Tucker
Florence E. van Steenderen
Frances Loretta Weiss

Class of 1922

Rebecca Armstrong
Ruth Barton Bridgeman
Ernest George Cox
Elsie Helen Engel
Grace Irene Farwell
Sara Hawkins Fisher
Elaine Josephine Kellogg
Henry John Kunz
Helen Sanders
John Howard Wood

Class of 1923

John Faris Anderson
Leroy Howland Buckingham
Mortimer Emil Carlson
Opha Catterlin
John Archibald Davidson
Albert Winston Dunlap
Helen Clarissa Eggemeyer
Lillian Maynard Hatfield
Sarah Cross Joyner
Ellen Amelia Knox
Dorothy Eleanor Laing
Dorothy Helen Magee
Margaret Sillars
Herman van der Dussen

THE McPHERSON PRIZES

In Philosophy

John C. McCoy ..... Class of 1920

In Greek

Della Babcock ..... Class of 1920

In Original Oratory

Henry Kunz ..... Class of 1922

In English Discussion

Henry Kunz ..... Class of 1922

In Freshman Declamation

Margaret Sillars ..... Class of 1923

STUDENTS

SENIORS

Eighty-nine semester hours or more

Almy, L. Wesley ..... Chicago
Philosophy — Biology

Bechtel, Lloyd Edward ..... Ottumwa, Iowa
Chemistry — Biology

Burns, Ross Jamison ..... Little Rock, Ark.
Political Science — Philosophy

Eickhoff, Harold John ..... La Salle
Political Science — English

Goble, Anna Eleanor ..... Elgin
English — Biology

Hale, Thomas Jefferson ..... Canton
Mathematics — Political Science

Hecketsweiler, Rachel Mary ..... Area
English — Philosophy

Hendrickson, Mary Ruth ..... Mt. Morris
Chemistry — Mathematics

Henshaw, James Cravens ..... Clarinda, Iowa
History — English

Higbee, Garnette Adelaide ..... Marengo
History — English

Hirschy, Irvin Arbor ..... Berne, Ind.
Mathematics — Romance Languages

Legner, Lucius Schelling ..... Pontiac
Mathematics — Chemistry

Leonard, James Henry ..... Lake Villa
Political Science — History

Lichty, Elizabeth Ellen ..... Zion City
Romance Languages — English

McColley, William Grant, Jr. ..... Baybrook
Philosophy—English

Maclay, Lorraine ..... Dubuque, Iowa
English—Romance Languages

Maplesden, Lawrence Barnes ..... Chicago
History — History

Mayeau, Martin Jacob ..... St. Anne
Mathematics — English

Metzgar, Mary Alice ..... Moline
History — French

Morley, John James, Jr. ..... Antioch
Political Science — English

Oliver, Ida Elizabeth ..... Waukegan
Romance Languages — English

Otterstrom, Ruth Edith ..... Lockport
Chemistry — Mathematics

Pagett, Harry Loeffler ..... Keokuk, Iowa
Chemistry — Romance Languages
Preston, Marion Evelyn ..... Chicago
English — History
Ryno, Lois Alma ..... Canton
Biology — English
Takahashi, Takeichi ..... Japan
Philosophy
Tucker, Eugene Weston ..... Jonesboro, Ind.
Philosophy — English
Van Steenderen, Florence Elizabeth ..... Lake Forest
Romance Languages — History
Weiss, Frances Loretta ..... Waukegan
Romance Languages — History

Seniors 29 (16 men)

JUNIORS

Fifty-nine to eighty-eight semester hours

Armstrong, Rebecca ..... Ottumwa, Iowa
Philosophy — Biology
Bermingham, Thomas Burke ..... Lake Forest
Political Science — Romance Languages
Bridgeman, Ruth Barton ..... Ottumwa, Iowa
History — Political Science
Burnett, Mary Delilah ..... Waukegan
Mathematics — Physics
Clarke, Frances Josephine ..... Independence, Iowa
English — History
Cox, Ernest George ..... Antioch
English — History
Eddy, Stuart Lacy ..... Paxton
History — Political Science
Farwell, Grace Irene ..... Channing, Texas
Romance Languages — English
Gray, Rhoda Alice ..... Waukegan
English — History
Hale, Albert Alexander ..... Canton
Mathematics — Political Science
Jowett, Jack Russell, ... Clinton, Iowa
Chemistry — History
Judd, Goldie May ..... Lake Bluff
Biblical Literature — English
Kunz, Henry ..... Freeport
Political Science — Romance Languages
Mills, Margaret Anna ..... Chicago
English — History

Pettigrew, Vera Fern ..... Harvey
English — Philosophy
Rees, David Milo ..... Elgin
Political Science — Philosophy
Robertson, William Kenneth ..... Chicago
Romance Languages — History
Russell, Raymond Charles ..... Lake Forest
Mathematics — Chemistry
Ryan, Earle Roy ..... Dundee
Political Science — Romance Languages
Sanders, Helen A. ..... Canton
Biology — English
Sheehan, Fred Michael ..... Antioch
Biology — Chemistry
Sorber, Flora Adelaide ..... Aurora
Biblical Literature — English
Sumner, Gordon Donald ..... Ottumwa, Iowa
Mathematics — Biology
Thayer, Mary Elizabeth ..... Chicago
Romance Languages — Philosophy
Torreyson, Elizabeth ..... Conway, Ark.
English — Romance Languages
Watson, George Leland ..... Antioch
Physics — Mathematics
Wood, John Howard ..... Canton
English — Romance Languages
Zoomaya, Ezra Barr ..... Chicago
Biology — Chemistry

Juniors 28 (15 men)

SOPHOMORES

Twenty-seven to fifty-eight semester hours

Abernethy, Richard Martin ..... Batavia
Anderson, John Faris ..... Lake Forest
Antrim, Keturah ..... Pontiac
Bartel, Kathryn Jeannette ..... Richmond, Ind.
Beauchamp, Calvin Charles ..... St. Anne
Beddoes, Ralph Dave ..... Freeport
Buckingham, Leroy Howland ..... Urbana
Burgess, David Webb ..... Middleboro, Mass.
Campbell, Marjorie Anne ..... Independence, Iowa
Carlson, Mortimer Emil ..... Erie
Davidson, John Archibald ..... Gary, Ind.
Dougherty, John Patrick ..... Freeport
Dunlap, Albert Winston ..... Philadelphia, Pa.
Eggemeyer, Helen Clarissa ..... Richmond, Ind.
Enyart, Edna Leona ..... Agency, Iowa

Epstein, Joseph Lester	Kenosha, Wis.
Fassett, Adrienne Lucile	Mendota
Fraker, George E.	Oskaloosa, Iowa
Friebele, Leonard LeRoy	Highland Park
Gardner, Kenneth Merwin	Arnold, Pa.
Gibbs, Winsor McCoy	Princeton
Graham, Esther Lucile	Durand
Graham, Mildred Lula	Freeport
Griffith, Margaret Gwethalyn	Lake Forest
Hatfield, Lillian Maynard	Canton
Hause, Don Bertran	Ann Arbor, Mich.
Horan, Charles Raymond	Antioch
Hopkins, Virginia Jane	Princeton
Kaye, Ralph A.	Waukegan
Judson, William Linus	Lake Forest
Kelley, Frederick Royal	Marengo
Knox, Ellen Amelia	Lake Forest
Logan, Catharine E.	Monticello, Ind.
Magee, Dorothy Helen	Oak Park
Merchant, Josephine	Waukegan
Morley, William Linden	Antioch
Morrison, Raymond Cleveland	Elgin
Mudge, Morris	Peru
O'Connell, Maurice Ralph	Erie
Rice, Russell Washington	La Salle
Shaddle, Blanche Delora	Area
Sheehan, William Elmer	Antioch
Sillars, Margaret I.	Troy Grove
Smith, Leland Clair	Lake Forest
Spaulding, Sue	Princeton
Tracy, Ray C.	Chicago
Van der Dussen, Herman	Lake Forest
Van Sickle, Edson	Canton
Wright, Florence Marjorie	Knoxville, Iowa

Sophomores 50 (32 men)

FRESHMEN

Adams, George Frederick	Lake Forest
Anderson, Evald	Batavia
Arkfeld, Lucretia Mary	Norfolk, Nebr.
Armitage, Albert Constant	Shenandoah, Iowa
Arnold, Lucile Jean	Owensboro, Ky.
Bachman, Ruth Charlotte	Paullina, Iowa
Bacon, Gilbert Leslie	Toledo, Ohio
Bermingham, Mary	Lake Forest
Besse, George Wagner	Erie
Booth, John Edward	Geneva

Bowie, Thomas Sheldon	St. Charles
Bradford, Cora Belle	Benton Harbor, Mich.
Brown, Lyndall Barton	Atlantic City, N. J.
Carlton, John Clifford	Carthage
Casjens, L. Stanley	Orange City, Iowa
Corman, Gareld	Rushville
Cox, Frank Edward	Antioch
Craig, Irmi Franklin	Gibson City
Daniels, Winifred Sigrid	Oak Park
Eads, Frances Louise	Ft. Smith, Ark.
Erickson, Harold	Rockford
Franklin, Ruth	Spring Valley
Hart, Anita	Waukegan
Hart, William George	Ashton
Hause, Dale C.	Ann Arbor, Mich.
Haworth, Esther Mae	Wauwatosa, Wis.
Hesler, Walter Frederic	Ravinia
Hiscox, Ralph Arthur	Lake Forest
Hsu, Shih Chang	Tientsin, China
Jackson, Lee Williams	Lake Forest
Kaplan, Anna	Coal City
Kaplan, Dorothea	Coal City
Keagle, Marian	Highland Park
Kees, William John	Lake Forest
Krause, Joseph Walter	North Chicago
Krausse, Lola Mae	Troy Grove
Lamson, Beatrice Ellena	Lake Forest
Leaf, Garfield Robert	Waukegan
Leiser, Bessie	Herscher
Logan, Samuel Robert	Monticello, Ind.
Lonek, Helen A.	Chicago
Lyons, Charles Sumner	Carroll, Iowa
Mark, Cyrus	Lake Forest
McClure, Fred Beardsley	Gibson City
MacGregor, Charles	Rockford
McWard, Juanita Ellen	Palmer
McWard, Mary Lois	Palmer
Mercer, Dorothy Florence	Gibson City
Moore, Berwyn Clark	Farmington
Mount, Frances Catherine	Chicago Heights
Olsen, Wendell Ephriam	St. Paul, Minn.
Page, Mildred Beatrice	Toledo, Ohio
Palmer, Jeannette Isabel	Waukegan
Perkins, Roger Wolcott	Canton
Peterson, Carl Ludwig	St. Paul, Minn.
Pittenger, William	Smithfield
Poretsky, Harry	Waukegan

Reeves, Marcella Eleanor	Aurora
Rieckhoff, Laurence Malmin	Orange City, Iowa
Savage, Jeanne Eloise	Paulding, Ohio
Schenck, George Delmore	Baraboo, Wis.
Schumann, Dorothy	Oak Park
Senter, Elizabeth Hunt	Dallas, Texas
Smith, Helen	Oak Park
Solberg, Matthias Ottar	St. Paul, Minn.
Tegge, Mildred Margaret	Papineau
Thompson, Georgine	Lake Forest
Tremaine, Burton G., Jr.	Cleveland, Ohio
Virgil, William Hall	Rushville
Wagner, Richard Kinley	Zion City
West, Louise	Crawfordsville, Ind.
Wikstrand, Carl Stanley	St. Paul, Minn.
Williams, John Francis	Waukegan
Williams, Kathryn	Detroit, Mich.
Woodford, Norman Rozell	Canton
Young, Marie Evelyn	Joliet
Wills, Helen Jean	Newport News, Va.

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*SPECIALS

I

Edgar, Florence May	Lake Forest
Hogan, Leo LaBrune	St. Louis, Mo.
Moore, Elliott David	Lake Forest
Reynolds, Geraldine Girtin	Highland Park
Sang, Napoleon	China
Smith, Hugh, Jr.	Lake Forest
Thayer, Beatrice Greenleaf	Highland Park

II

Petri, Anna Louise	St. Louis, Mo.

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Seniors	29
Juniors	28
Sophomores	50
Freshmen	77
Specials	8
Total	192

*To be admitted as a special student, the applicant, unless he is more than 21 years old, must present at least fourteen entrance credits. The list also includes students whose preparation, though sufficient in amount (16 units), does not meet all the specific requirements, and students whose preparation is regular, but who are not candidates for a degree.

Group II consists of students attending Ferry Hall and the Music School who are taking courses in the College.

GEOGRAPHICAL DISTRIBUTION

Arkansas	3
Illinois	134
Indiana	8
Iowa	18
Kentucky	1
Massachusetts	1
Michigan	4
Minnesota	4
Missouri	2
Nebraska	1
New Jersey	1
Ohio	4
Pennsylvania	2
Texas	2
Virginia	1
Wisconsin	3
China	2
Japan	1

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